Supplying Quality, Delivering Excellence

The Black Book Product Catalogue

NetworksCentre. About Us



Who are we?

Networks Centre is one of the UK's leading distributors of Data Network Products. Founded in 2005, our company has grown year on year. We pride ourselves on outstanding customer service & availability combined with a wide range of premium brands offered at competitive pricing.



Accreditations











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ATLAS-X1[™]



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The Atlas X1[™] component rated unshielded and shielded copper connectivity brings a new flagship product to Leviton. Verified by independent testing labs, it is the first system to support shielded applications from Cat5e to 8 using the same RJ45 jack form factor, creating a smart and simple migration path. Designed for demanding mission critical networks, CAT8 will play a major role in Data Centres upgrading to 25/40GBASE-T.

The Atlas-X1 range uses the Leviton QuickPort® footprint jack which is compatible with existing Leviton panels, meaning you can take advantage of the advanced features of Atlas-X1™ even for your legacy Leviton installation

ATLAS-X1 SHIELDED QUICKPORT JACKS

- Wide range of jack colours available (excluding CAT8)
- Innovative wire manager and door-release levers for guick, repeatable terminations
- Tool-free design requires no specialised termination tool
- Patented Retention Force Technology (RFT) protects against tine damage and increases system longevity
- Metal housing even in Unshielded jacks for PoE++ and heat dissipation
- Each jack includes interchangeable icons (voice, data, AV, and blank), colour-coded to match the jack face.
- Shielded jacks provide additional EMI/RFI protection, signal isolation, and alien crosstalk (AXT) suppression.
- Unified form factor and termination method, from Cat5e to CAT8.
- Compatible with all QuickPort panels and housings
- Optional shuttered versions for extra protection against dust, debris and contaminants.

Description:

Standards:

- Standards compliance TIA / ISO
 - ANSI/TIA-568-C.2
 - ISO/IEC 11801-1
- IEEE 802.3at (Type 1) PoE 15.4 watts
- IEEE 802.3at (Type 2) PoE 30 watts
- IEEE 802.3bt (Type 3) PoE+ 60 watts
- IEEE 802.3bt (Type 4) PoE+ 100 watts*
- Cisco Universal PoE (UPOE) 60 watts
- Power over HDBaseTTM (POH) 100 watts*
- AWG wire range: 26 to 22 gauge
- Mating cycles: 750 plug mating cycle & 20 re-terminations *Excludes Cat5e

Part No:

BR-5ESJK-R*5 Cat5e ATLAS-X1 Shielded Quickport Jacks

BR-81SJK-R^{†8} Cat8 ATLAS-X1 Shielded Quickport Jacks **BR-6ASJK-R*6** Cat6A ATLAS-X1 Shielded Quickport Jacks BR-61SJK-R*6 Cat6 ATLAS-X1 Shielded Quickport Jacks

†Colour - Grey = G; Black = B

*Colour - W White; Y Yellow; O Orange; C Crimson; P Purple; B Blue; G Grey; E Black; B Brown; V Green; I Ivory Shuttered version available in Cat6A, Cat6 and Cat5e (substitute 'R' for 'S')







► ATLAS-X1 UNSHIELDED QUICKPORT JACKS



Part No:	Description:	
BR-6AUJK-R*6	Cat8 ATLAS-X1 Unshielded Quickport Jacks	
BR-61UJK-R*6	Cat6A ATLAS-X1 Unshielded Quickport Jack	
BR-5EUJK-R*5	Cat5e ATLAS-X1 Unshielded Quickport Jacks	

*Colour - W White; Y Yellow; O Orange; C Crimson; P Purple; B Blue; G Grey; E Black; B Brown; V Green; I Ivory

Shuttered version available in Cat6A, Cat6 and Cat5e (substitute 'R' for 'S')

► ATLAS-X1 QUICKPORT JACK ACCESSORIES



Part No:	Description:
BR-ICONS-IC*	Bulk Icon pack of 72 x 2 sided Icon, 24 of each DATA, VOICE, AV
BR-AXUJK-BWM	Atlas-X1 Unshielded Wire Managers, bag of 10, White
BR-AXUJK-BGM	Atlas-X1 Shielded Wire Managers, bag of 10, Grey
BR-AXUJK-BEM	Atlas-X1 Shielded Wire Managers for Cat8, bag of 10, Black

*Colour - W White; Y Yellow; O Orange; C Crimson; P Purple; B Blue; G Grey; E Black; B Brown; V Green; I Ivory

► ATLAS-X1 QUICKPORT JACK ACCESSORIES

Part No:	Description:
BR-AB100-00	Commscope Jack Adaptor
	Colours Available: White or Black

- Allows Quick Port jacks to be installed into SYSTIMAX or Uniprise Wall plates and Surface Mount Boxes
- > Packaged individually and sold separately from jacks





► ATLAS-X1 SHIELDED PATCH PANELS

- Shielding protects against electromagnetic interference (EMI) and radio frequency interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- > Includes appropriate grounding hardware
- ► High-density 1U 48-port option maximises rack space and reduces costs in high-density applications
- Accepts any QuickPort jacks including Audio Visual (Call for details)

Part No:	Description:
BR-4S255-S24	1U 24 Port Flat Shielded Panels Unloaded
BR-4S256-S24 Unloaded	1U 24 Port Angled Shielded Panels
BR-4S255-D48*	1U 48-Port Flat Shielded QuickPort Patch Panel
BR-4S256-D48	1U 48-Port Angled Shielded QuickPort Patch Panel
BR-49005-CMB	Cable Management Bar for flat panel
BR-49254-BC1	Angled panel transitional cover

* Cable management bar sold seperatley



► ATLAS-X1 UNSHIELDED PATCH PANELS

The QuickPort system, Leviton's exclusive set of mix and match panels, connectors, wallplates, and surface-mount boxes, allows you to create the perfect mix of voice, data, video and audio, all in a single panel. Connectors sold separately.

+ For Magnifying lens label holder option substitute 'H' with 'L'

Part No:	Description:	
BR-49255-H24	1U 24-Port Flat Unshielded QuickPort Patch Panel	
BR-49256- <mark>H</mark> 24	1U 24-Port Angled Unshielded QuickPort Patch Panel	



► FLAT COMPOSITE UNSHIELDED QUICKPORT PANEL & CABLE MANAGER

- Stylish panel face can be customised to feature any design, colour or logo
- Patch lead managers prevent cables from obstructing view of port numbers
- Clear label holders create a window to easily view port numbers and custom designs

Part No:	Description:	
BR-C1255-H48	2RU 48-Port Flat Composite QuickPort Panel Unloaded	
BR-C1253-2CM	2RU Blank Panel / Cable Manager	



LEVITON



► VERTIGO ZERO-U PATCH PANELS

Patented VertiGO Zero-U Patch Panels offer unprecedented versatility for a wide range of installations. In data centres where left- or right-side cabinet installation is ideal, VertiGO can share mounting hardware with servers or other existing equipment. Where traditional cabinet space is lacking, VertiGO can be mounted to a ladder tray, wire basket, directly to the wall, under a raised floor, or even onto modular furniture.

- Zero-U panels can be mounted to a ladder tray, wire basket, under a raised floor, or onto modular furniture
- > QuickPort openings for copper and fibre installations
- ► Low-profile design fully covers connections
- Improves cabinet centre airflow by routing rear cable along outer edges
- Styles with 3-inch channels provide additional cable management space
- > Hinged doors provide easy access to termination field
- > Patented magnifying lens label holders facilitate easy reading

Part No:	Description:	
BR-C49280-QP0	12-Port Unshielded QuickPort VertiGO Panel, panel only, empty	
BR-49280-QP3	12-Port Unshielded QuickPort VertiGO Panel, 3" channel, empty Manager	



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LEVITON

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► ATLAS-X1[™] CAT8 PATCH LEADS

- Part of a complete Atlas-X1 Cat8 shielded system for 25/40GBASE-T networks
- Provides excellent alien crosstalk suppression and EMI/RFI protection
- > Outside diameter of 6.2 mm ensures ease of management
- Independently tested and guaranteed to meet or exceed requirements as specified in ANSI/TIA-568-C.2-1 and ISO/IEC 11801 Class I
- ► Low-smoke halogen-free materials
- > 26 AWG S/FTP

Part No:	Description:
BR-81Z10-SD5	CAT8 S/FTP, 0.5 M, GREY
BR-81Z10-S*	CAT8 S/FTP 1 TO 5M GREY

^{*}Length: 01=1m, 02=2m, 03=3m, 04=4 m, 05=5m

For Atlas Cat6A, 6 or 5e patch leads please see configurator on page 26

► ATLAS-X1[™] CAT8 SHIELDED CABLE

- Independently tested and verified to meet ANSI/TIA Cat8 and ISO 11801 Class I performance
- Bend radius: 4 x OD (without load), 8 x OD (with load)
- > Mylar® tape and aluminium shield provide a high level of security
- Outer diameter 8.2mm
- Complies with: ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1
- EN 50575:2014 (Euroclass): Euroclass Dca
- IEEE Draft 802.3bt (Type 4) Power over Ethernet (PoE+) applications up to 100 watt
- > Supports 25/40GBASE-T networks
- Construction: 22 AWG S/FTP
- Storage Temperature: -40 ℃ to +70 ℃ & Operating Temperature: -10 ℃ to +60 ℃

Part No:	Description:
BR-126-SFS8D-5LS	Class I/Cat8 S/FTP Cable, LSZH, Euroclass Dca, Blue, 500m Reel

Atlas X1 Cat6A, 6 and 5e jacks are fully compatible with 10GPlus, Cat6Plus and Gigaplus shielded and unshielded cables on pages 14, 17 & 20.



QUICKPORT



NetworksCentre.

► QUICKPORT SURFACE MOUNT BOXES

- Surface-mount boxes have breakouts to match common trunking systems and cable entry
- > 1-, 2-, and 4-port surface-mount boxes

Part No:	Description:
BR-41089-12*	12-Port Surface-Mount Box, 193 W x 127 D x 28 H
BR-41089-6*P	6-Port Surface-Mount Box, 162 W x 81 D x 27 H
BR-41089-4*P	4-Port Surface-Mount Box, 121 W x 81 D x 27 H
BR-41089-2*P	2-Port Surface-Mount Box, 64 W x 56 D x 27 H
BR-41089-1*P	1-Port Surface-Mount Box, 36 W x 56 D x 27 H
BR-4S089-2WP	2-Port Surface-Mount Box extended depth**, 63 W x 76 D x 30 H
BR-4S089-4WP	4-Port Surface-Mount Box extended depth**, 142 W x 132 D x 30 H

* W = White, E = Black, G = Grey.

**For shielded connectors and large bend-radius cables.

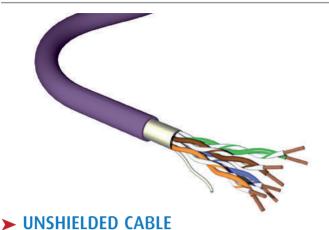
- > Mounts with screws or adhesive mounting tape (both provided)
- 4S089 products are designed to work with Leviton QuickPort shielded or UTP Cat6A connectors to allow proper bend-radius controL



GIGAPLUS



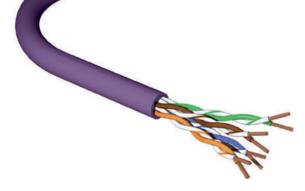
SHIELDED CABLE



GigaPlus F/UTP 100 Ω 4x2xAWG 24/1 premium grade class D/Cat5e cable to support Gigabit Ethernet protocol combined with good EMI/RFI protection for installations in horizontal and backbone areas

The cable is compliant with: ISO/IEC 61156-5, EN 50288-2-1 and ANSI/TIA/EIA 568C. EN13501-6 Euroclass Eca (Violet) or Dca (Blue).

Part No:	Description:
BR-GPF-HF1-ECA-500VT	GigaPlus 24 AWG F/UTP 4 Pair EN13501-6 Sheathed Cable, 500m Reel in Violet
BR-GPF-DCA-500BU	GigaPlus 24AWG F/UTP 4 Pair EN13501-6 Euroclass Dca Blue Sheathed 500m



GigaPlus U/UTP 100 Ω 4x2xAWG 24/1 premium grade Class D/ Cat5e cable to support Gigabit Ethernet protocol for installation in horizontal and backbone areas.

The cable is compliant with: ISO/IEC 61156-5, EN 50288-3-1 and ANSI/TIA/EIA 568C. EN13501-6 Euroclass Eca (Violet) or Dca (Blue).

Part No:	Description:
BR-GPU-HF1-ECA-RLX-305VT	GigaPlus 24 AWG U/ UTP 4 Pair EN13501-6 Sheathed Cable, 305m box in Violet
BR-GPU-DCA-500BU	GigaPlus 24AWG U/ UTP 4 Pair EN13501- 6 Euroclass Dca Blue Sheathed 500m Reel

SNAP-IN SHIELDED JACKS



GigaPlus Shielded Snap-In-Jacks offer true Cat5e component performance. The jacks are compatible with all Leviton's UK and Continental style faceplates and products. Each jack is supplied with a short form installation instruction and cable tie.

Part No:	Description:
BR-GPCJAKF0K2	GigaPlus Snap-In-Jack Screened LSA IDC Universal Wiring, Black
BR-GPCJAKF012	GigaPlus Snap-In-Jack Screened 110 IDC Universal Wiring, Black

► LEAD FRAME SHIELDED JACK



GigaPlus shielded Snap-In-Jacks offer true Cat5e component performance. The jack is compatible with all Leviton's UK and Continental style faceplates and products. Each jack is supplied with a short form installation instruction and stuffer cap.

 Part No:
 Description:

 BR-GPCJAKF013LF
 GigaPlus Lead

GigaPlus Lead Frame Snap-In-Jack Screened 110 IDC 568A/B

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GIGAPLUS

UNSHIELDED TOOL FREE JACKS



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UNSHIELDED LEAD FRAME SNAP-IN JACKS



The Tool-free Jack offers true Cat5e performance and is fully compatible with Leviton UK and continental UNI style faceplates and products. The jacks come singularly; termination instructions are supplied. No termination tool is required. Each jack has integral colour code wiring labels.

Part No:	Description:
BR-GPCJAKU002	GigaPlus Snap-In-Jack Unscreened - Tool Free



GigaPlus unshielded Snap-In-Jacks offer true Cat5e component performance. The jack is compatible with all Leviton's UK and Continental style faceplates and products. Each jack is supplied with a short form installation instruction and stuffer cap.

Part No:	Description:
BR-GPCJAK013LV	GigaPlus Lead Frame Snap-In-Jack Unscreened 110 IDC 568B Wired, White

UNSHIELDED SNAP-IN JACKS

SLIMLINE SHUTTERED MODULES



GigaPlus slimline shuttered modules offer true Cat5e component performance and are fully compatible with Leviton UK and continental UNI style faceplates and products, and are suitable for applications where internal back box space is limited. Each jack is supplied with a shortform installation instruction and a cable tie to attach the cable to the cable anchor. Modules are supplied with a colour code wiring label.

Part No:	Description:
BR-GPCSL062UB02	GigaPlus 50x25 Slimline Shuttered Module - Unshielded, Black
BR-GPCSL062UB03	GigaPlus 50x25 Slimline Shuttered Module - Unshielded, White
BR-GPCSL06CUB02	GigaPlus 38x25 Slimline Shuttered Module - Unshielded, Black
BR-GPCSL06CUB03	GigaPlus 38x25 Slimline Shuttered Module - Unshielded, White
BR-GPCSLA62UB02	GigaPlus 50x25 Angled Slimline Shuttered Module - Unshielded, Black
BR-GPCSLA62UB03	GigaPlus 50x25 Angled Slimline Shuttered Module - Unshielded, White



GigaPlus Unshielded Snap-In-Jacks offer true Cat5e component performance. The jacks are fully compatible with all Leviton's UK and Continental style faceplates and products. Each jack is supplied with a short form installation instruction and cable tie.

Part No:	Description:
BR-GPCJAKU012	GigaPlus Snap-In-Jack Unscreened 110 IDC Universal Wiring, Black
BR-GPCJAKU013	GigaPlus Snap-In-Jack Unscreened 110 IDC Universal Wiring, White
BR-GPCJAKU0K2	GigaPlus Snap-In-Jack Unscreened LSA IDC Universal Wiring, Black
BR-GPCJAKU0K3	GigaPlus Snap-In-Jack Unscreened LSA IDC Universal Wiring, White

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GIGAPLUS



> SHIELDED PATCH PANELS



The GigaPlus 19" rack mounted patch panel offers true Cat5e component performance using patented state of the art printed circuit technology. Available in 24 port versions, these panels have a cable management / strain relief feature built into the rear mounted grounding bar. All outlets are numerically identified with an additional writable surface for ease of port naming. Each panel is supplied with cable ties, panel mounting accessories and short form installation instructions.

Part No:	Description:
BR-GPCPNLF24012M	GigaPlus 24 Port Screened Patch Panel 1U 110 IDC Universal Wiring, Black
BR-GPCPNLF240K2M	GigaPlus 24 Port Screened Patch Panel 1U LSA IDC Universal Wiring, Black

WINSHIELDED PATCH PANELS



The 19" GIGAPlus rack mounted patch panel offers a proven Cat5e performance using patented state of the art printed circuit technology. All outlets are numerically identified with an additional writeable surface for ease of port naming. Each panel is supplied with cable ties, panel mounting accessories and installation instructions.

Part No:	Description:
BR-GPCPNLU24002	GigaPlus 24 Port Unscreened Patch Panel 1U Universal Punchdown and Wiring, Black
BR-GPCPNLU48002	GigaPlus 48 Port Unscreened Patch Panel 2U Universal Punchdown and Wiring, Black
BR-GPCPNLU24012M	GigaPlus 24 Port Unscreened Patch Panel 1U 110 IDC Universal Wiring with Cable Management, Black

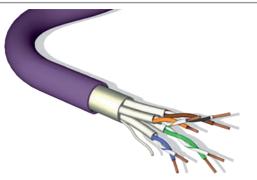


CAT6PLUS



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► SHIELDED F/FTP CABLE

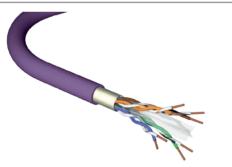


Cat6Plus F/FTP, 100 Ω 23AWG premium grade Class E/Cat6 cable to support Gigabit Ethernet protocol for installation in horizontal and backbone areas.

The cable is compliant with: ISO/IEC 11801, ANSI/EIA/TIA 568C ISO/ IEC 61156-5 and EN 50288-5-1. Meets EN13501-6 available in Euroclass Eca (Violet) & Cca (Green).

Part No:	Description:
BR-C6F-FTP-HF1-ECA-500VT	Cat6Plus 23 AWG F/FTP 4 Pair LSHF IEC 60332-1-2 EN13501-6 Euroclass Eca Violet sheath, 500m Cable
BR-C6F-FTP-CCA-500GN	Cat6Plus 23 AWG F/FTP 4 Pair LSHF IEC 60332-1-2 EN13501-6 Euroclass Cca Green sheath, 500m Cable

► SHIELDED F/UTP & U/FTP CABLE



Cat6Plus F/UTP and U/FTP, 100 Ω 23AWG premium grade Class E/Cat6 cable to support Gigabit Ethernet protocol for installation in horizontal and backbone areas, PoE and broadband video transmissions at frequencies up to 550MHz.

The cable is compliant with: ISO/IEC 11801, EN50173-1, ANSI/EIA/ TIA 568C series, ISO/IEC 60332-1-2 and EN 50288-5-1. Meets EN13501-6 available in Euroclass Eca (Violet) & Cca (Green).

Part No:	Description:
BR-C6F-UTP-HF1-ECA-500VT	Cat6Plus 23 AWG F/UTP 4 Pair LSFOH IEC 332.1 EN13501-6 Euroclass Eca Violet sheath, 500m Cable
BR-C6U-FTP-CCA-RLX-305GN	Cat6Plus 23 AWG F/UTP 4 Pair LSFOH IEC 332.1 EN13501-6 Euroclass Cca Green sheath, 305m box

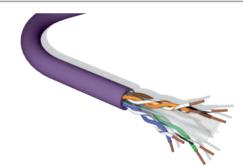


Cat6Plus U/FTP 100 Ω 23AWG premium grade Class E/Cat6 cable to support Gigabit Ethernet protocol for installation in horizontal and backbone areas.

The cable is compliant with: ISO/IEC 11801, ISO/IEC 61156-5, EN 50288-5-1 and ANSI/TIA/EIA 568C. Meets EN13501-6 available in Euroclass Eca (Violet) & Cca (Green).

Part No:	Description:
BR-C6U-FTP-HF1-ECA-500VT	Cat6Plus 23 AWG U/FTP 4 Pair LSHF IEC 60332-1-2 EN13501-6 Euroclass Eca Violet sheath, 500m Cable
BR-C6-FTP-CCA-500GN	Cat6Plus 23 AWG U/FTP 4 Pair LSHF IEC 60332-1-2 EN13501-6 Euroclass Cca Green sheath, 500m Cable

► UNSHIELDED U/UTP CABLE



Cat6Plus U/UTP 100 Ω 23AWG premium grade Class E/Cat6 cable to support Gigabit Ethernet protocol for installation in horizontal and backbone areas.

The cable is compliant with: ISO/IEC 11801, ISO/IEC 61156-5, EN 50288-6-1 and ANSI/TIA/EIA 568C. Meets EN13501-6 available in Euroclass Eca (Violet) & Cca (Green).

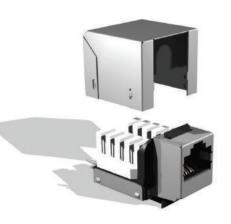
Part No:	Description:
BR-C6U-HF1-ECA-RLX-305VT	Cat6Plus 23 AWG U/ UTP 4 Pair EN13501- 6 Euroclass Eca Violet sheath Cable, 305m box
BR-C6U-HF1-ECA-500VT	Cat6Plus 23 AWG U/ UTP 4 Pair EN13501-6 Euroclass Eca Violet sheath, 500m Cable
BR-C6UR-C-RIB-305GN	Cat6Plus 23 AWG U/ UTP 4 Pair EN13501-6 Euroclass Cca Green Sheathed 305m Box

CAT6PLUS



NetworksCentre.

> SHIELDED JACKS





The Leviton Cat6Plus Screened Snap-In-Jack offers true Cat6 component performance using a new patented contact array design. The jack is backward compatible and also fully compatible with all Leviton's UK and continental style faceplates and products. Jacks are supplied with a short form installation instruction.

- Superior Performance Guaranteed standards compliant and independently verified performance
- ► Ease of Use Simple termination process
- Quick & Intuitive Less preparation time and minimal rework resulting in reduced labour time
- Tool-free termination No special tool and increased leverage ensures a low closing force
- > Compact Design Ideal for restricted and high density spaces
- > Quick release function easy to open and re-terminate
- Integrated rear cable management To ease routing and prevent cable strain
- Universal Wire Management block Superior wire retention on all Leviton shielded cables including stranded
- 360° spring loaded sliding screen Guide removes potential interference with foils and closing mechanism while ensuring a good contact to the shield

Part No:	Description:
BR-C6CJAKF0K2	Cat6Plus Snap-In-Jack Screened LSA Universal Wired IDC, Black
BR-C6CJAKS000DC	Cat6Plus Snap-In-Jack Screened - Tool Free

UNSHIELDED JACKS





The Tool-free Jack offers true Cat6 performance and is fully compatible with Leviton UK and continental UNI style faceplates and products. Termination instructions are supplied. No termination tool is required. Each jack has integral colour code wiring labels.

Part No:	Description:
BR-C6CJAKU002	Cat6Plus Snap-In-Jack Unscreened - Tool Free

The Leviton Cat6Plus Snap-In-Jack offers true Cat6 component performance using a new patented contact array design. The jack is backward compatible and also fully compatible with all Leviton's UK and continental style faceplates and products. Jacks are supplied with a short form installation instruction.

Part No:	Description:
BR-C6CJAKU012	Cat6Plus Snap-In-Jack Unscreened 110 IDC, Black
BR-C6CJAKU013	Cat6Plus Snap-In-Jack Unscreened 110 IDC, White
BR-C6CJAKU0K2	Cat6Plus Snap-In-Jack Unscreened LSA IDC, Black
BR-C6CJAKU0K3	Cat6Plus Snap-In-Jack Unscreened LSA IDC, White

CAT6PLUS



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SHIELDED PANELS



The Cat6Plus 19" rack mounted 0.5U 24 port Shielded patch panel offers a port density which delivers 48 terminations in a 1U height with true Cat6 component performance using a patented contact pin array design. The robust and easy to install patch panel employs a conventional termination method that affords the installer the maximum punch down accessibility for wire termination. To assure the optimum link performance the panel has been designed with integral rear cable management which provides easy routing and strain relief for the high performance cabling. This shielded version of the 0.5U patch panel introduces shielded mounting clips to ensure optimum earthing of the cable screens.



The Cat6Plus 19" rack mounted patch panel offers true Cat6 component performance using a new patented contact pin array design. All panels are backward compatible. In addition to this, each panel has been designed with a cable management/strain relief feature built into the rear. All outlets are numerically identified with an additional writable surface for ease of port naming. Each panel is supplied with cable ties, panel mounting accessories and short form installation instructions.

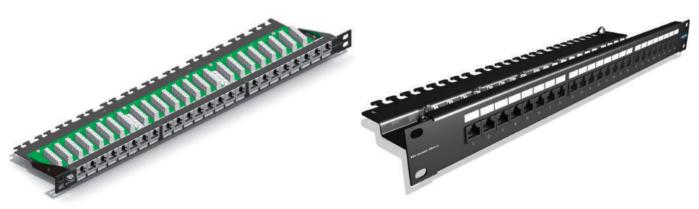
Part No: BR-C6CPNLF240K2H

Description:

Cat6Plus 0.5U 24 Port Screened Patch Panel LSA IDC 568A/B Wired Black with Cable Management

Part No:	Description:
BR-C6CPNLF240K2M	Cat6Plus 24 Port Screened Patch Panel 1U LSA IDC 568A/B Wired Black with Cable Management

UNSHIELDED PANELS



The Cat6Plus 19" rack mounted patch panels offer true Cat6 component performance using a new patented contact pin array design. All panels are backward compatible. In addition to this, each panel has been designed with a cable management/strain relief feature built into the rear. All outlets are numerically identified with an additional writable surface for ease of port naming. Each panel is supplied with cable ties, panel mounting accessories and short form installation instructions.

Part No: Description: BR-C6CPNLU240K2H 0.5U Cat6Plus 24 Port Unscreened Patch Panel LSA IDC 568A/B Wired Black with Cable Management.

Part No:	Description:
BR-C6CPNLU24012M	Cat6Plus 24 Port Unscreened Patch Panel 1U 110 IDC 568A/B Wired Black with Cable Management
BR-C6CPNLU240K2M	Cat6Plus 24 Port Unscreened Patch Panel 1U LSA IDC 568A/B Wired Black with Cable Management





SHIELDED CABLE



10GPlus S/FTP 100 $\Omega,$ 23 AWG is a premium grade Class EA/ Cat6A Cable to support 10 Gigabit Ethernet protocol for installation in horizontal and backbone areas.

The cable is compliant with: ISO 61156-5 and ANSI/TIA/EIA and EN50288-10-1 and are fully backwards compatable with Cat5e and Cat6 systems.

Part No:	Description:
BR-AC6S-FTP-HF1-ECA-500VT	10GPlus 23 AWG 4 Pair S/FTP
	EN130501-6 Euroclass Eca Violet sheath, 500m Reel
BR-AC6S-FTP-CCA-500GN	10GPlus 23 AWG 4 Pair S/FTP
	EN130501-6 Euroclass Cca
	Green sheath, 500m Reel



10GPlus U/FTP, 100 Ω 23 AWG is a premium grade Class EA/

is also designed to be compliant with EN50288-10-2.

Cat6A cable to support 10 Gigabit Ethernet protocol for installation in

The cable is compliant with: ISO 61156-6 ed 2, ANSI/TIA/EIA568C. It

Description:

10GPlus 23 AWG 4 Pair U/FTP EN130501-6 Euroclass Cca Green Sheathed 500m Reel

10GPlus 23 AWG 4 Pair U/FTP EN13501-6: Euroclass Cca Green Sheathed 500m reel

10GPlus F/FTP 100 $\Omega,$ 23 AWG is a premium grade Class EA/ Cat6A Cable to support 10 Gigabit Ethernet protocol for installation in horizontal and backbone areas.

The cable is compliant with: ISO 61156-5 ANSI/TIA/EIA 568C and EN50288-10-1 standards. These cables are also fully backwards compatable with Cat5e and Cat6 systems.

Part No:	Description:
BR-AC6F-FTP-HF1-ECA-500VT	10GPlus 23 AWG 4 Pair F/FTP
	EN130501-6 Euroclass Eca Violet sheath, 500m Reel
BR-AC6F-FTP-CCA-500GN	10GPlus 23 AWG 4 Pair F/FTP
	EN13501-6 Euroclass Cca
	Green sheath, 500m Reel



10GPlus U/FTP, 100 Ω 23 AWG is a premium grade Class EA/Cat6A to support 10 Gigabit Ethernet protocol for use within the data centre environment. *up to 70 metres.

The cable is compliant with: ISO 61156-6 ed 2, ANSI/TIA/EIA568C. It is also designed to be compliant with EN50288-10-2.

Part No:	Description:
BR-AC6-DCZ-ECA-500VT	10GPlus 23 AWG 4 Pair S/FTP
	EN130501-6 Euroclass Eca Violet Sheathed 500m Reel
BR-AC6-DCZ-CCA-500GN	10GPlus 23 AWG 4 Pair S/FTP
	EN13501-6 Euroclass
	Cca Green Sheathed 500m Reel

10GPlus U/UTP 100 Ω 23 AWG is a premium grade Class EA/Cat6A cable to support 10 Gigabit Ethemet protocol for installation in horizontal and backbone applications.The cable is compliant with: ISO 61156-5, ANSI/TIA/EIA 568C and the draft standard EN 50288-11-1. The cable is fully backwards compatible with Cat5e and Cat6 systems.

Part No:	Description:
BR-AC6U-HF1-ECA-D500VT	10GPlus 23 AWG 4 Pair U/UTP
	EN130501-6 Euroclass Eca
	Violet Sheathed 500m Reel
BR-AC6U-CCA-500GN	10GPlus 23 AWG 4 Pair U/UTP
	EN13501-6: Euroclass Cca
	Green Sheathed 500m Reel

UNSHIELDED CABLE

BR-AC6U-FTP-HF1-ECA-500VT

BR-AC6U-FTP-CCA-500GN

horizontal and backbone applications.

Part No:



Can't find what you're looking for? Then contact us...







The Leviton Cat6A fully screened snap-in jack is part of the 10GPlus cabling system:

- > The jack offers exceptional Cat6A performance
- The Leviton Cat6A Shielded Jack requires no proprietary tool for termination
- Compact design ensures compatibility with Leviton 48 Port Cat6A Patch Panels
- > Spring loaded sliding screen removes potential interference with foils and closed mechanisms
- > Easy to open and re-terminate as required
- Fully compatible with all UK and continental style faceplates and patch panel products

Part No:	Description:
BR-AC6JAKS000DC	10GPlus Snap-In-Jack Screened - Tool Free



The Leviton 10GPlus shielded Snap-In-Jack offers true Class EA/ Cat6A component performance using a patented contact array design. The 10GPlus system is classified as a Class EA/Cat6A product set that is fully backwards compatible to Cat6 and Cat5e products. The jack is also fully compatible with all Leviton's UK and Continental style faceplates and products.

Part No:	Description:
BR-AC6JAKF0K2	10GPlus Snap-In-Jack Screened LSA
	universal wired IDC_Black

► UNSHIELDED JACKS



The Leviton 10GPlus Snap-In-Jack Unscreened offers industry leading electrical performance and is fully compatible with Leviton UK and continental UNI style faceplates and products. Termination instructions are supplied. No termination tool is required. Each jack has an integral colour code wiring labels.

Part No:	Description:
BR-AC6JAKU002	10GPlus Snap-In-Jack Unscreened - Tool Free



The Leviton 10GPlus Snap-In-Jack offers true Class EA/Cat6A component performance using a patented contact array design. The 10GPlus system is classified as a Class EA/Cat6A product set that is fully backwards compatible to Cat6(Class E) and Cat5e (Class D) products. The jack is also fully compatible with all Leviton's UK and Continental style faceplates and products.

Part No:	Description:
BR-AC6JAKU0K2	10GPlus Snap-In-Jack Unscreened LSA IDC, Black
BR-AC6JAKU0K3	10GPlus Snap-In-Jack Unscreened LSA IDC, White

01403 754 233

@enquiries@networkscentre.com





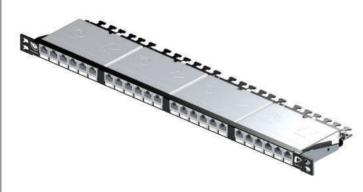
SHIELDED MODULAR PANELS

Features:

► 24 ports in 1U

- > True Augmented Cat6/Class EA performance
- \succ Suitable for 10Gigabit applications Ideal for use in the data centre
- Removable plug and play modular cassettes ideal for both on and off site termination assembly
- > Integral cable management to provide strain relief
- > Compatible with standard 19" racks and cabinets
- Flexible solution panel can be deployed in either a conventional installation or the module used as a consolidation point
- > Supplied with panel mounting accessory kit

Part No:	Description:
BR-AC6PNLF240K2M	10GPlus 1U Shielded 24 Port Patch Panel, Black
BR-AC6PNLF240K8M	10GPlus 1U Shielded 24 Port Patch Panel, Grey
BR-AC6CPF060K	10GPlus Replacement Panel Module, Metallic



Features:

- > 24 ports in a 0.5U space
- ► True Class EA/Cat6A performance
- > Suitable for 10Gigabit applications
- Ideal for the data centre and for server cabinets where space is at a premium
- Removable plug and play modular cassettes ideal for both on and off site termination assembly
- > Integral cable management to provide strain relief
- > Compatible with standard 19" racks and cabinets
- Flexible solution panel can be deployed in either a conventional installation or the module used as a consolidation point
- > Supplied with panel mounting accessory kit

Characteristics:

- ▶ Width: 19" (483mm)
- ➤ Height: 1U (44.45mm)
- Depth: 111mm
- ► Outlet Style: Unkeyed RJ45
- > Outlets: 24 ports
- > Colour: RAL 9005 black or RAL 7035 grey
- ▶ Punch down blocks: LSA style IDC
- ► Wiring Standard: EIA/TIA 568A/B
- Conformance: Augmented Cat6 and Class EA ISO/IEC 11801 Ed 2.2 Amm 2 EN 50173-1 TIA/EIA 568 C

The 10GPlus 19" rack mounted 1U 24 port patch panel delivers true Augmented Cat6/ Class EA performance and is ideal for data centre applications. The robust patch panel features 4 easy to remove shielded modular units each comprising of 6 ports. To assure optimum link performance the panel has been designed with integrated rear cable management to provide easy routing and strain relief. Ports are numerically identified and offer maximum space for ease of port numbering and panels are supplied with cable ties, panel mounting kit and earth cable. All panels are also backward compatible.

The Leviton 10GPlus 0.5u patch panel offers true Class EA/Cat6A Performance and is ideal for applications where space is at a premium and a high density solution is required. the panel features 4 easy to remove shielded modular units each comprising of 6 ports. All panels are backward compatible and offer integrated cable management to provide strain relief. Ports are numerically identified and offer maximum space for ease of port numbering and panels are supplied with cable ties, panel mounting kit and earth cable.

Characteristics:

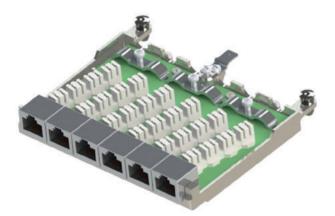
- ➤ Width: 19" (483mm)
- ► Height: 0.5U (44.45mm)
- ► Depth: 111mm
- ➤ Outlet Style: Unkeyed RJ45
- ► Outlets: 24 ports
- > Colour: RAL 9005 black or RAL 7035 grey
- > Punch down blocks: LSA style IDC
- ► Wiring Standard: EIA/TIA 568A/B
- Conformance: Class EA/Cat6A ISO/IEC 11801 Ed 2.2 Amm 2 EN 50173-1 TIA/EIA 568 C

Part No:	Description:
BR-AC6PNLF240K2H	10GPlus 0.5U Shielded 24 Port Patch Panel, Black
BR-AC6PNLF240K8H	10GPlus 0.5U Shielded 24 Port Patch Panel, Grey
BR-AC6CPF060K	10GPlus Replacement Panel Module, Metallic









open office environment. Each module comprises of 6 RJ45 ports and can be supplied as

a low profile stand alone module or with mounting bracket. The mounting bracket option allows for secure fixing to walls, ceilings and under floors, it also features cable tie points for added security.

The cover can easily be removed to gain access to the ISA IDC's for termination. An area on top of the cover is available for port identification.

All modules are backward compatible for Cat5e and Cat6 systems. The module base and cover are made from a lightweight construction which offers excellent shielding characteristics.

Features:

- ► 6 way shielded module
- ► True Class EA/Cat6A performance
- > Suitable for 10Gigabit applications
- > For use in horizontal cabling applications
- > Low profile construction ideal for use in false floors, ceilings and walls
- > Removable cover to protect from dust particles Optional mounting bracket

Characteristics:

Without mounting bracket

- ▶ Width: 107.2mm
- ► Heiaht: 20.5mm
- > Depth: 93.1mm

With mounting bracket

- ► Width: 132mm
- ► Height: 28mm
- > Depth: 110mm
- ➤ Outlet Style: Unkeyed RJ45
- > Outlets: 6 ports
- ➤ Colour: Metallic
- > Punch down blocks: LSA style IDC
- ► Wiring Standard: EIA/TIA 568A/B
- ► Conformance: Class EA/Cat6A ISO/IEC 11801 Ed 2.2 Amm 2 EN 50173-1 TIA/EIA 568 C



Part No:	Description:
BR-AC6CPF060K	10GPlus Consolidation Point Module – 6 way, Metallic
BR-AC6CPF060KM	10GPlus Consolidation Point Module with Mounting Bracket – 6 way, Metallic
BR-AC6PNLC240K2H	10GPlus 0.5U Patch Panel Chassis Only, Black
BR-AC6PNLC240K8H	10GPlus 0.5U Patch Panel Chassis Only, Grey
BR-AC6PNLC240K2M	10GPlus 1U Patch Panel Chassis Only, Black
BR-AC6PNLC240K8M	10GPlus 1U Patch Panel Chassis Only, Grey

SYSTEM ACCESSORIES



► MODULAR PANELS



The Leviton angled snap-in-jack patch panel is a 1U 24 port panel that facilitates cord routing directly into the rack vertical side management thus rendering horizontal cable managers redundant. The increased rack density not only saves valuable space but also offers a panel that eases bending stresses on the cord while maximising performance. The design accommodates a separate rear cable manager to provide a strain relief feature for the simple routing of horizontal cabling and also allows for colour coded labelling.

Part No:	Description:
BR-MMCPNLX24SIJ2MAN	1U SIJ Angled Panel with Management Suitable up to 24
	Snap-in-Jacks, Black

The Leviton 19" modular panel is a rack mounted snap-in-jack panel that has been designed with a double skin to provide flush mounted jacks. The rear of the panel has been plated for grounding to the chassis on shielded systems. All outlets are numerically identified with an additional writable surface for ease of port naming.

Part No:	Description:
BR-MMCPNLX16SIJ2	16 Port Modular Snap-In-Jack Panel - Black
BR-MMCPNLX16SIJ8	16 Port Modular Snap-In-Jack Panel - Grey
BR-MMCPNLX24SIJ2	24 Port Modular Snap-In-Jack Panel - Black
BR-MMCPNLX24SIJ8	24 Port Modular Snap-In-Jack Panel - Grey
BR-MMCPNLX32SIJ2	32 Port Modular Snap-In-Jack Panel - Black
BR-MMCPNLX32SIJ8	32 Port Modular Snap-In-Jack Panel - Grey
BR-MMCPNLX48SIJ2	48 Port Modular Snap-In-Jack Panel - Black
BR-MMCPNLX48SIJ8	48 Port Modular Snap-In-Jack Panel - Grey

The Leviton 19" snap-in-jack patch panel that accommodates 24 ports within a 1U configuration and provides coloured inserts for individual port/service identification. The product is designed and supplied with a detachable rear cable manager and comes complete with black inserts with an integrated dust cover already loaded into the panel as standard. Optional coloured inserts are available for purchase separately in a variety of colours allowing for individual port/service identification.

Part No:	Description:
BR-MMCPNLX24SIJ2DCI	Coloured Insert Snap-in-Jack panel – Black
BR-MMCPNLX24SIJ8DCI	Coloured Insert Snap-in-Jack panel – Grey
BR-MMCACCINSDC1	Insert with Dust Cover - Red
BR-MMCACCINSDC2	Insert with Dust Cover - Black
BR-MMCACCINSDC3	Insert with Dust Cover - White
BR-MMCACCINSDC4	Insert with Dust Cover - Blue
BR-MMCACCINSDC5	Insert with Dust Cover - Green
BR-MMCACCINSDC6	Insert with Dust Cover - Yellow
BR-MMCJAKBLK2	Snap-in-Jack Blank - Black
BR-MMCJAKBLK3	Snap-in-Jack Blank - White
BR-MMCIRT001	Retraction Tool







► FACE PLATES AND BACK BOXES



Leviton supplies a comprehensive range of plastic accessories to provide an outlet solution for wall, trunking and floorbox applications. These accessories have been designed to be used in conjunction with Leviton Snap-In Jacks. All UK style faceplates are supplied with M3.5 mounting screws and are available in both modular or low cost shuttered versions. Backboxes can also be supplied to allow for retrofit application where outlets are required to be surface mounted.

Part No:	Description:
BR-MMCANGDK2453	Dual Snap-In-Jack Faceplate Module - RAL9010
BR-MMCWDOUNI030	86mm x 86mm Single Gang UK Style Faceplate White
BR-MMCWDOUNI031	86mm x 147mm Double Gang UK Style Faceplate White
BR-MMCWDOUNI040	Double Width Blank Indented White
BR-MMCWDOUNI042	Single Width Blank Indented White
BR-MMCWDOUNI052	Half Width Blank Plain White
BR-MMCWDOUNI070	86mm x 86mm Single Gang Faceplate with Intergrated Shutter 1 x RJ45 White
BR-MMCWDOUNI071	86mm x 86mm Single Gang Faceplate with Intergrated Shutter 2 x RJ45 White
BR-MMCDGBB32001	32mm Double Gang Back Box
BR-MMCDGBB44001	44mm Double Gang Back Box
BR-MMCSGBB32001	32mm Single Gang Back Box
BR-MMCSGBB44001	44mm Single Gang Back Box

► MODULES

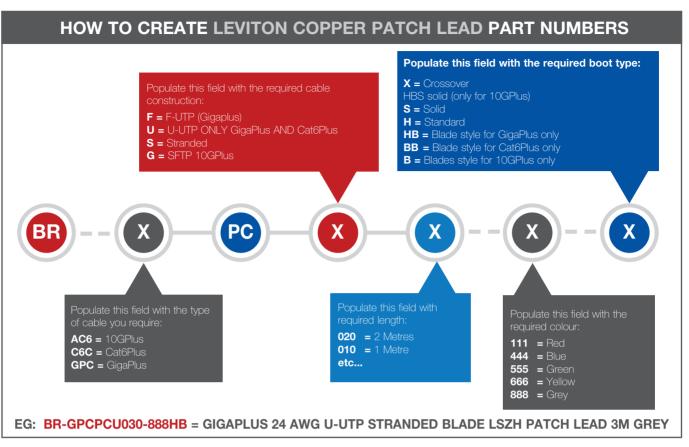


Floorbox and faceplate modules and blanks have been designed to clip into a 1.0 - 2.0mm thick plate with either a standard LJ6C 22 x 37mm floorbox cut-out or a standard Euromod faceplate 25 x 50mm cutout. All modules are designed to accept Leviton jacks.

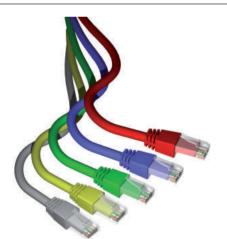
Part No:	Description:
BR-MMCANG0623	50mm x 25mm Shuttered Angled Module White
BR-MMCANG06C3	38mm x 25mm 6C Shuttered Angled Module White
BR-MMCBLK06C3	38mm x 25mm 6C Blank Module White
BR-MMCWDO06C001	38mm x 25mm 6C Shuttered Module White
BR-MMCWDOUNI062	25mm x 50mm Shuttered Module White

COPPER PATCH LEADS

LEVIT<mark>ON</mark>®



► CAT6PLUS AND GIGAPLUS



Leviton Cat6Plus and GigaPlus patch leads enable you to get the optimum performance from your cabling system. Leviton's factory made and tested patch leads offer you guaranteed quality and ensure that your system avoids the performance degradation which inferior alternatives will give you at high data rates. All patch leads are supplied with boots and ID tags. Independent 3rd Party Certification (3P).

Packaging:

> Individually packed in branded easy tear bags

► 10GPLUS



The Leviton Augmented Cat6patch lead is part of the Leviton 10GPlus cabling system. The 10GPlus cabling system is comprised of high performance cables and connectivity which not only provides a reliable platform for all of today's network applications, but is also designed to future-proof networks for the emerging, new higher speed protocols of tomorrow, such as 10GBASE-T. The 10GPlus system is classified as an Augmented Cat6and Class EA product set that is fully backward compatible to Cat6(Class E) and Cat5e (Class D) products.

Packaging:

> Individually packed in branded easy tear bags

Can't find what you're looking for? Then contact us...

FIBRE PATCH LEADS



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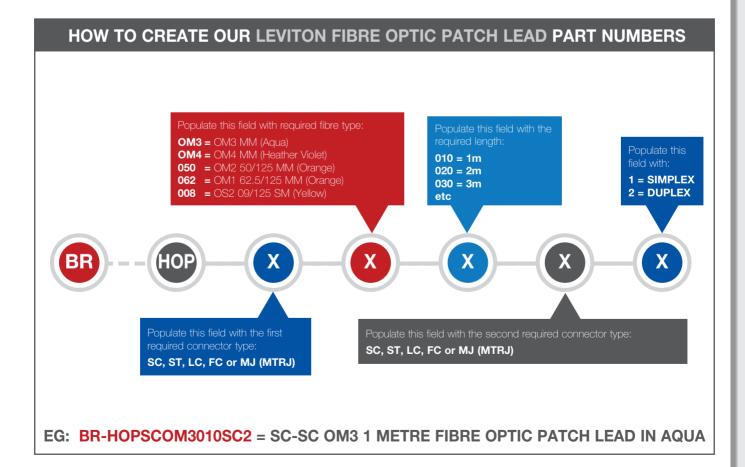
FIBRE OPTIC PATCH LEADS

For use in connections between transmission equipment and patch panels or interconnect / cross-connect between panels. Patch Leads are pre-constructed with connectors. These include small form factors such as LC and MTRJ as well as SC, FC and ST. Based on 2.80mm sub units (1.9mm SFF) these ruggedised cables are sheathed with LSHF material making them suitable for internal use.

- Manufactured to comply with: ISO/IEC 11801,EN50173 -1, ANSI TIA/EIA 568B
- > All major connector types, various colours available
- > Colour coded for identification
- > Duplex patch leads feature 'Crossover'











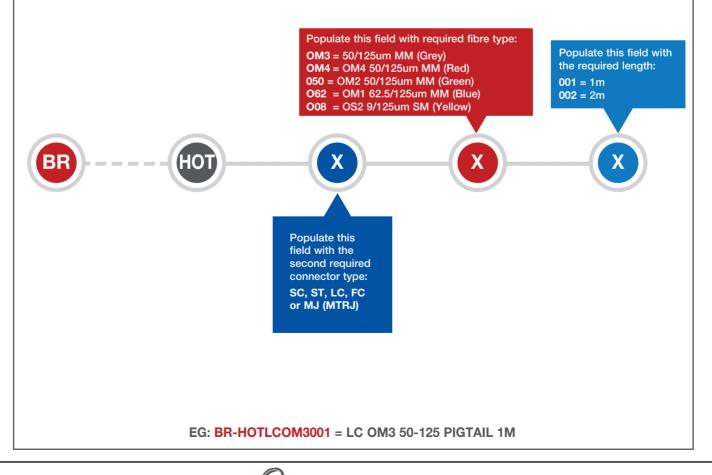
FIBRE OPTIC PIGTAILS



For use in permanent connections between patch panels and incoming cables / single blown fibres. Connector options include small form factors such as LC and MTRJ as well as SC, FC and ST. Based on 900µm tight buffered cores (600µm MTRJ) and suitable for internal use only within fibre management systems.

- ➤ Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI TIA/EIA 568B
- > Based on Tight Buffered Core
- ▶ 900µm and 600µm
- ➤ All major connector types
- > All major fibre types
- > Standard Buffer colours are:
- OM1 Blue
- OM2 Green
- OM3 Grey
- OM4 Red
- OS2 Yellow

HOW TO CREATE OUR LEVITON FIBRE OPTIC PIGTAIL PART NUMBERS



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CONNECTORS



► KEYQUICK[®] FIELD INSTALLABLE CONNECTORS

The innovative KeyQuick[®] field installable SC connectors and mechanical splice offers industry leading reliability combined with a fast, accurate and user friendly splicing process.

Easy to connect, their unique transparent body with refractive properties ensures accuracy by acting as a visual fault detector. A red light becomes visible within the splice body when fibres are misaligned, but then disappears when a good connection is made. This design also means that no additional tools are required to verify the connection.



► KEYQUICK[®] MECHANICAL SPLICE

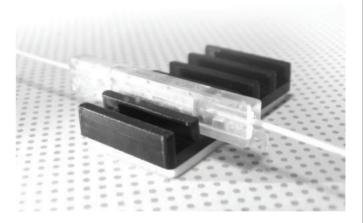
The KeyQuick® mechanical splice is designed to make fibre installation and deployment easier, cheaper and quicker. A feature of the product is to be able to visualise and verify a splice connection using visual fault indication made possible by the transparent body. Can be installed without any previous experience of mechanical splicing.

Part No:	Description:
BR-FPCMS001	KeyQuick® Mechanical Splice 250µm, 900µm
BR-FPCMSH06	KeyQuick [®] Mechanical Splice Holder

► Universal – for 250µm/900µm fibres

- ► No tools or epoxy required
- 2.5 times faster compared to traditional fusion splicing of fibre connectors.
- ► Low mean insertion loss (typically 0.2dB)
- > Transparent body for immediate connecting confirmation

Part No:	Description:
BR-FOCACFT008001	KeyQuick [®] SC APC Singlemode Connector - Universal G652D
BR-FOCUCFT008001	KeyQuick® SC UPC Singlemode Connector - Universal G652D
BR-FOCUCFT062001	KeyQuick® SC UPC Multimode Connector - Universal 62.5/125
BR-FOCUCFTOM300	KeyQuick [®] SC UPC Multimode Connector - Universal 50/125 OM3
BR-FOCUCFTOM400	KeyQuick® SC UPC Multimode Connector - Universal 50/125 OM4



LC CONNECTOR





- ► Typical Insertion Loss: MM <0.2dB, SM <0.15dB
- ► Minimum Return Loss: MM 20dB, SM 45dB
- > Available as either simplex or duplex variants

Part No:	Description:
BR-FOCLCEPMM001	LC Duplex Multimode 1 Piece Connector with 2.0mm Boot
BR-FOCLCEPSM001	LC Duplex Singlemode 1 Piece Connector with 2.0mm Boot
BR-FOCLSEPMM001	LC Simplex Multimode 1 Piece Connector with 2.0mm Boot
BR-FOCLSEPSM001	LC Simplex Singlemode 1 Piece Connector with 2.0mm Boot

ST CONNECTOR



ST connector kits are comprised of a nickel-plated zinc body coupling mechanism and a ceramic ferrule/spring/crimp barrel assembly plus a strain relief boot. These connectors are suitable for 900µm, 2mm and 2.4 - 3mm cables.

NetworksCentre.

➤ Compliant with IEC 60874-10

Part No:

- > Strain relief boot colour code: SM 3mm Black & Yellow. MM 3mm Black & Red
- > Typical Insertion Loss: MM 0.2dB, SM 0.15dB

Minimum Return Loss: SM 45dB	
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LEVITON

Part No:	Description:
BR-FOCSTEPMM001	ST Multimode Connector
BR-FOCSTEPSM001	ST Singlemode Connector

BR-FOCSCEPMM001 SC Multimode Connector Parts with

Description:

Ceramic Ferrule. Beige. Dust caps for 900um & 2.4-3.0mm cables

SC Singlemode Connector Parts with Ceramic Ferrule, Blue, Dust caps for 900um & 2.4-3.0mm cables

SC SM Duplex Connector with ceramic

ferrules - Blue c/w dust caps for 900um & 2.0mm cables

ferrules - Blue c/w dust caps for

900um & 2.0mm cables

SC Duplex Multimode Clip

SC Duplex Singlemode Clip

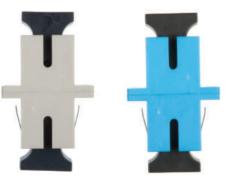
SC CONNECTOR



piece SC body with precision ceramic ferrule, crimp, sleeve, colour

- ➤ Compliant with IEC 60874-14
- ➤ Typical Insertion Loss: MM 0.2dB, SM 0.15dB
- ► Minimum Return Loss: SM 45dB

SC SIMPLEX ADAPTOR



SC Adaptors comprise of a polymer outer body and inner assembly fitted with a precision alignment sleeve. Multimode with metal sleeve. Singlemode with Ceramic Sleeve.

BR-FOCDCEPMM001 SC MM Duplex Connector with ceramic

➤ Compliant with IEC 60875-14

BR-FOCSCEPSM001

BR-FOCSCKLBE

BR-FOCSCKLBU

BR-FOCDCEPSM001

► Max. Insertion Loss: MM - 0.3dB, SM - 0.1dB

Part No: De	escription:
BR-BHCSCMM001	SC Simplex Multimode (Beige) Adaptor
BR-BHCSCSM001	SC Simplex Singlemode (Blue) Adaptor

SC DUPLEX ADAPTOR



SC Duplex adaptors comprise of a polymer outer body and an inner assembly fitted with a precision alignment sleeve. Multimode with metal sleeve. Singlemode with Ceramic Sleeve.

- ➤ Compliant with IEC 60875-14
- ► Max. Insertion Loss: MM 0.3dB, SM 0.1dB

Part No:	Description:
BR-BHCDCMM001	SC Duplex - Multimode (Beige) Adaptor
BR-BHCDCSM001	SC Duplex - Singlemode (Blue) Adaptor



SC multimode and singlemode connector kits comprise of a one coded outer shroud, 2 x colour coded 3mm strain relief boots and a 0.9mm boot.

Can't find what you're looking for? Then contact us...



ADAPTORS ST ADAPTOR



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ST adaptors comprise of a nickel plated zinc die cast body with a precision alignment sleeve. They are both standard and double 'D' hole compatible. Multimode with metal sleeve. Singlemode with ceramic sleeve.

➤ Compliant with IEC 60875-10

► Max. Insertion Loss: MM - 0.3dB, SM - 0.1dB

Part No:	Description:
BR-BHCSTMM001	ST Multimode Adaptor with black dust caps
BR-BHCSTSM001	ST Singlemode Adaptor with red dust caps

FC adaptors comprise of a nickel plated brass body that is fitted with a precision alignment sleeve. They are standard single and double 'D' hole compatible. Ceramic sleeve.

➤ Compliant with IEC 60875-7

► Max. Insertion Loss: SM - 0.1dB

Description: Part No: BR-BHCFCSM001 FC Singlemode Adaptor with Red Dust Caps

LC duplex adaptors comprise of a polymer body with a precision alignment sleeve. They have the outer dimensions of a simplex SC style adaptor.

Part No:	Description:
BR-BHCLCMM001	LC Multimode (Duplex) Beige Adaptor
BR-BHCLCSM001	LC Singlemode (Duplex) Blue Adaptor

► LC QUAD ADAPTOR

► MTRJ DUPLEX ADAPTOR

LC quad adaptors comprise of a polymer body with precision alignment sleeves. They have the outer dimensions of a quad SC style adaptor.

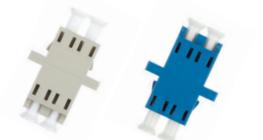
Part No:	Description:
BR-BHCL4MM001	LC Multimode (Quad) Beige Adaptor
BR-BHCL4SM001	LC Singlemode (Quad) Blue Adaptor



MTRJ adaptors have a polymer outer body which has the outer dimensions of a simplex SC sized adaptor.

Part No:	Description:
BR-BHCMJXX001	MTRJ Adaptor

LC DUPLEX ADAPTOR





OPTICAL PATCH PANELS

The FibrePlus 19" 1U fibre optic patch panels have been designed to optimise both the internal fibre management but also to add greater fibre density. Constructed from mild steel with a powder coated paint finish the panels are available in black or grey. The patch panel offers a flexible and highly versatile solution for optical splicing and patching. The panel's shallow depth allows it to be installed within the majority of standard racks and wall mounted enclosures. The integrated design features ensure that even once installed panels can be readily reconfigured to accommodate the changing needs of today's high speed networks.

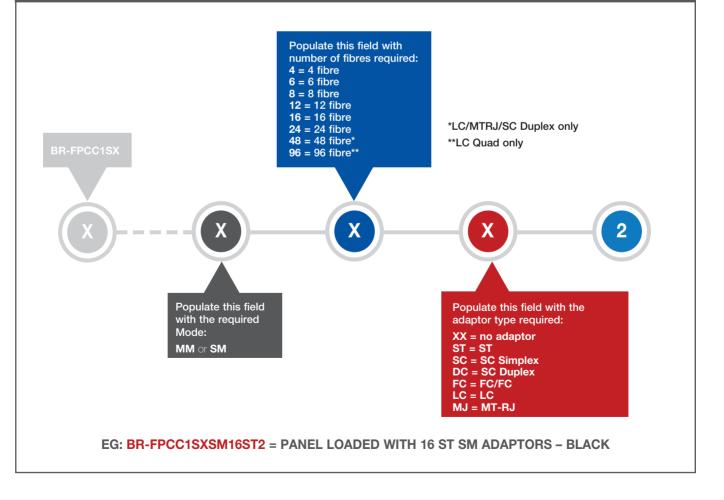




- > FibrePlus panels are preloaded with fibre optic adaptors
- Front panel options for up to:
 24 FC or ST (24 fibres)
 12 SC Duplex (24 fibres) or LC Quad (48 fibres)
 24 SC Duplex (48 fibres) or LC Quad (96 fibres)
 24 SC Simplex (24 fibres), MTRJ or LC Duplex (48 fibres)
- Minimum depth: 237mm
- > Front Panel includes a port identification strip



HOW TO CREATE OUR LEVITON LOADED OPTICAL PATCH PANEL PART NUMBERS



Can't find what you're looking for? Then contact us...



UNLOADED OPTICAL PATCH PANELS



- Enhanced sliding tray for easy access complete with quick release fastenings
- Adjustable mounting brackets aids installation within shallow enclosures
- Minimum depth 237mm
- Rear of panel offers a range of apertures to accommodate a variety of gland configurations
- > Unloaded panels are supplied with management and glands
- Purpose designed panel base allows for customised fibre management and additional anchoring points for incoming cables or ducts
- > Front face of the panel includes a port identification strip
- Compatible with Blolite.

() 01403 754 233

Part No:	Description:
BR-FPCC1SXXX48SC2	Unloaded Optical Panel for up to 24 SC Simplex, LC or MTRJ Adaptors - Black
BR-FPCC1SXXX24DC2	Unloaded Optical Panel for up to 12 SC Duplex Adaptors - Black
BR-FPCC1SXXX48DC2	Unloaded Optical Panel for up to 24 SC Duplex Adaptors - Black
BR-FPCC1SXXX24ST2	Unloaded Optical Panel for up to 24 ST or FC Adaptors - Black

Front panel configuration options:

- > 24 fibre using ST,SC, FC-PC, LC or MTRJ
- > 48 fibre using Duplex SC, Duplex LC or MTRJ
- > 96 fibre using Quad LC

SWING OUT FIBRE PANEL



The 48 fibre universal dual pivoting patch panel provides easy segregation of fibres, perfect for separating services. The unique design offers features, such as the swivel function in a universal 19" size, normally only found in bespoke solutions. It is simple to manage and offers easy access in the event of moves, adds or changes. The dual cassette design pivots from the left and right allowing the patch leads to exit the panel from the two sides giving fast access to the fibre management whilst maintaining a fixed cable entry point. Easy to install lightweight and robust construction, the transparent cover protects the fibre and allows quick and easy access.

Part No:	Description:
BR-TCCPC1SM48LC2	19" Optical Dual Pivoting Panel (1U)- populated with Single- Mode flangeless LC Quad adapters
BR-TCCPC1MM48LC2	19" Optical Dual Pivoting Panel (1U)- populated with Multi-Mode flangeless LC Quad adapters
BR-TCCPC1XXXXX2	19" Optical Dual Pivoting Panel (1U) – unpopulated

- Pivoted dual routing patch management ability to independently manage cables and patch leads - ideal for co-location facilities or partial loading.
- Recessed Patching Area Protects the connection and the cables, provides enhanced cable management and improved aesthetics
- Maximised labelling space easy port and panel identification, the flip hinge system gives unrestricted access to patch leads.
- Small footprint Cables and patch leads are contained within the panel to reduce congestion resulting in improved airflow.

HDX SYSTEM

Data centres and telecommunications rooms are rapidly outgrowing their footprint as they attempt to meet increasing bandwidth demands. The Leviton HDX cassette-based platform offers optimum patching capacity in areas where space is at a premium. Using HDX adaptor plates and cassettes in the UHDX rack-mount solutions or the HDX

► UHDX RACK-MOUNT ENCLOSURES

- Accepts Leviton HDX Adaptor Plates and Cassettes
- Up to 144 fibres with LC connectors or 864 fibres with 12-fibre MTP[®] connectors
- Individual sliding trays allow easy access to fibre connectors in dense applications while minimising the impact to surrounding fibres
- 20-inch depth for high-density, pre-terminated solution



▶ UHDX 1U FLAT & ANGLED PANELS

- > Eliminates the need for horizontal patch cord cable managers
- > Open access to patch leads and trunks
- One-hand installation and removal of HDX/HDX2 cassettes or adaptor plates





Distribution Frame, you can free up valuable space and reduce your patching footprint.

High- and ultra-high-density systems support cloud data centre and large enterprise networks with network manageability and a reduced cabling network footprint.

- Hinged front door provides easy means to install, remove, and update port ID labels
- Highly visible port locators in the front and rear of the enclosure help easily identify specific ports
- Hinged or removable rear doors improve accessibility to rear cable routing



 Up to 144 fibres with LC connectors or 864 fibres with 12-fibre MTP connectors





			Maximum Capacity		
	Description:	Fibres (Using LC)	Fibres (Using MTP)	Adaptor Plates or MTP Cassettes	Part No:
	1U UHDX Enclosure, empty	144	864	12	BR-5R1UD-S12
	2U UHDX Enclosure, empty	288	1,728	24	BR-5R2UD-S24
	4U UHDX Enclosure, empty	576	3,456	48	BR-5R4UD-S48
	1U UHDX Angled Panel, empty	144	864	12	BR-HDX1A-144
	1U UHDX Flat Panel, empty	144	864	12	BR-HDX1F-144

► UHDX RACK-MOUNT ENCLOSURE ACCESSORIES



Part No:	Description:
BR-5RCMP-KIT	Universal Clamp Kit, Single Cable Grommet (mounts to enclosure or rear cable manager)
BR-5RCMP-KT2	Universal Clamp Kit, Multiple Cable Grommet (mounts to enclosure or rear cable manager)
BR-5RCMR-KIT	Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)
BR-5RBSH-1UN	1U Brush Guard, bag of 2
BR-5RBSH-2UN	2U Brush Guard, bag of 2
BR-5REAR-023	23" Rack-Mount Ears, bag of 2
BR-E2XHD-CMB	Rear Cable Manager for Angled Panel, with cable management rings (four 1/4" rings)



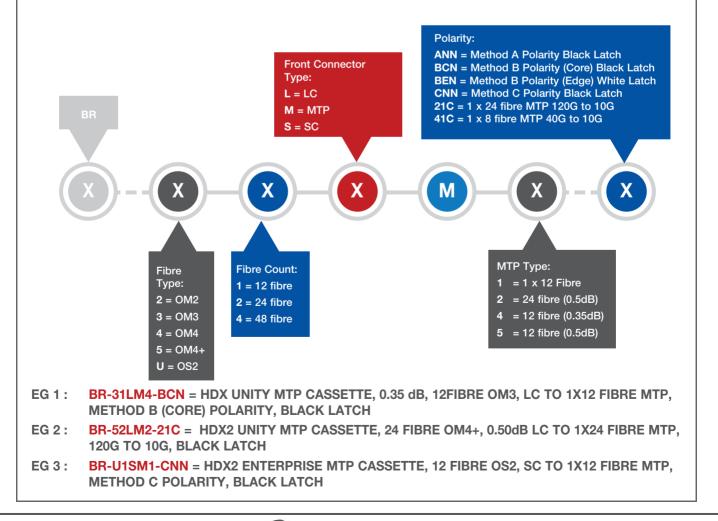


► HDX & HDX2 MTP[®] CASSETTES

- Easy to migrate from 10G to 40/100G when used with Leviton cable assemblies
- 12- or 24-fibre configurations
- Select from LC or MTP connectors for 10G, 40G, or 100G applications
- Pre-terminated fibre eliminates the need for complicated field terminations and splices
- A variety of fibre types are available, including single-mode, multimode, and laser-optimised multimode
- > Easy, one-hand installation and removal



HOW TO CREATE OUR LEVITON HDX & HDX2 CASSETTE PART NUMBERS





HDX ADAPTOR PLATES

- Connect to field-terminated backbone cabling or pre-terminated trunks
- > Easy, one-hand installation and removal
- > Offered in OM1/OM2, OM3/OM4, and OS2 fibre types
- LC, SC, and MTP styles in 6-, 12-, 24-, or up to 72-fibre configurations are available
- > Visible sequential numbering to identify ports (for Tx and Rx)



Part No:	Description:
BR-5FUHD-2IL	12-fibre HDX Adaptor Plate, OM1 & OM2, Quad LC (Beige), phosphor bronze sleeve
BR-5FUHD-2QL	12-fibre HDX Adaptor Plate, OM3, Quad LC (Aqua), zirconia ceramic sleeve
BR-5FUHD-2ML	12-fibre HDX Adaptor Plate, OM4, Quad LC (Heather Violet), zirconia ceramic sleeve
BR-5FUHD-2LL	12-fibre HDX Adaptor Plate, OS2, Quad LC (Blue), zirconia ceramic sleeve
BR-5FUHD-2VL	12-fibre HDX Adaptor Plate, OS2, Quad LC/APC (Green), zirconia ceramic sleeve*
BR-5FUHD-6IC	6-fibre HDX Adaptor Plate, OM1 & OM2, Duplex SC (Beige), phosphor bronze sleeve
BR-5FUHD-6QC	6-fibre HDX Adaptor Plate, OM3, Duplex SC (Aqua), zirconia ceramic sleeve
BR-5FUHD-6LC	6-fibre HDX Adaptor Plate, OS2, Duplex SC (Blue), zirconia ceramic sleeve
BR-5FUHD-6VC	6-fibre HDX Adaptor Plate, OS2, Duplex SC/APC (Green), zirconia ceramic sleeve*
BR-5FUHD-6MB	HDX Adaptor Plate, 3 Duplex MTP Adaptors (Black), key up/key up
BR-5FUHD-6MP	HDX Adaptor Plate, 3 Duplex MTP Adaptors (Black), key up/key down
BR-5FUHD-BLK	HDX Adaptor Plate, blank (Black)







► HDX & HDX2 CONVERSION CASSETTES

- Manage polarity to maintain, transmit, and receive connections between parallel optics and SFP connectivity
- Connect to electronics with LC-style ports and aggregates SFP ports to a QSFP+ (40G) or CXP (120G) port
- Fit in UHDX enclosures and panel
- Snap in and out of enclosure/panel for rapid installation, adds, and changes
- ► Ideal for applications using 40G-10G and 120G-10G



Part No:	Description:
BR-32LM1-41C	40G to 10G HDX2, OM3, 3x8 fibre, MTP to 24-fibre LC
BR-42LM1-41C	40G to 10G HDX2, OM4, 3x8 fibre, MTP to 24-fibre LC
BR-U2LM1-41C	40G to 10G HDX2, OS2, 3x8 fibre, MTP to 24-fibre LC
BR-38LM1-1AE	40G to 10G HDX, OM3, 8 fibre, MTP to 8-fibre LC
BR-48LM1-1AE	40G to 10G HDX, OM4 8 fibre, MTP to 8-fibre LC
BR-U8LM1-1AE	40G to 10G HDX, OS2, 8 fibre, MTP to 8-fibre LC



HDX2 TAP CASSETTES

- Traffic analysis points (TAPs) provide real-time monitoring in network or SAN environments for anomalies in security and performance
- Fit in UHDX enclosures and panel
- TAP in HDX cassette footprint eliminates the need for an additional panel
- > Supports monitoring of 10G and 40G channels (QSFP)
- Available in two split ratios for network design flexibility, 70:30 and 50:50



Part No:	Description:
BR-U2LM1-BE5	HDX2 Enterprise TAP OS2 2X12 Fibre MTP-LC 50:50
BR-U2LM1-BE7	HDX2 Enterprise TAP OS2 2X12 Fibre MTP-LC 70:30
BR-42LM1-BE5	HDX2 Enterprise TAP OM4 2X12 Fibre MTP-LC 50:50
BR-42LM1-BE7	HDX2 Enterprise TAP OM4 2X12 Fibre MTP-LC 70:30
BR-42MM2-BE5	HDX2 Unity TAP OM4 24 Fibre MTP to 3X8 Fibre MTP 50:50
BR-42LM2-BE5	HDX2 Unity TAP OM4 24 Fibre MTP-LC 50:50
BR-42LM2-BE7	HDX2 Unity TAP OM4 24 Fibre MTP-LC 70:30
BR-42MM2-BE7	HDX2 Unity TAP OM4 24 Fibre MTP TO 3X8 Fibre MTP 70:30

HI-DEX SYSTEM



NetworksCentre.

► HI-DEX - PRE-TERMINATED, MODULAR, OPTICAL FIBRE CABLING SYSTEM



HI-DEX is an ultra high performance, pre-terminated, modular, Optical Fibre cabling system based on MT ferrule (e.g. MTP) connector technology.

This product set is ideally suited for installation in the data centre where multiple, point to point, fibre connections between distribution racks and equipment racks can be quickly and efficiently installed and where an upgrade path to multi lane higher speed transmissions is required.

This extensive suite of products provides future proofing for multi-gigabit fibre channel infiniband and Ethernet technologies.

► HI-DEX - PANEL SET

The HI-DEX panel set is based around a 19" 1U panel which can accommodate up to six interchangeable cassettes. The cassettes are mounted on sliding runners which allow each cassette to be brought forward independently of the others, providing unrestricted access to every port. The subdivision of the cassettes facilitates the routing of patch leads to both sides of the panel in order to simplify

Part No:	Description:
BR-HDXPNL12	HI-DEX 19" 1U Panel in Black
BR-HDXPNL18	HI-DEX 19" 1U Panel in Grey
BR-HDXMU1U2	HI-DEX 19" 1U Cable Manager in Black
BR-HDXMU1U8	HI-DEX 19" 1U Cable Manager in Grey
BR-HDXMNF2	HI-DEX 1U Finger Management in Black
BR-HDXMNF8	HI-DEX 1U Finger Management In Grey

the management of the patch leads. The addition of a bridge piece ties each row together to provide single-sided routing where required. The front door protects the patches when not in use and provides generous labelling space on both the front and rear faces.



► HI-DEX - ZERO U ACCESSORIES

The HI-DEX product range includes additional accessory panels which extend the use of HI-DEX beyond traditional U-based racks.

Part No:	Description:
BR-HDXZSR2	HI-DEX Side Rack Consolidation Point in Black
BR-HDXZCT2	HI-DEX Cable Tray Consolidation Point in Black
BR-HDXZHR2	HI-DEX 3U Hanging Rack Frame in Black
BR-HDXZUF2	HI-DEX 3U Under Floor Frame in Black





► HI-DEX CLOSED CASSETTES

HI-DEX closed cassettes provide 24 fibre MTP-to-LC patches per cassette, giving a maximum density of 144 LC fibres in 1U. HI-DEX closed cassettes have two 12-fibre MTP adaptors on the rear and 12 LC duplex adaptors on the front. The LC adaptors feature an integrated shutter which provides both dust and laser protection. The HI-DEX cassette features printed port identification in addition to a supplementary patch labelling area.

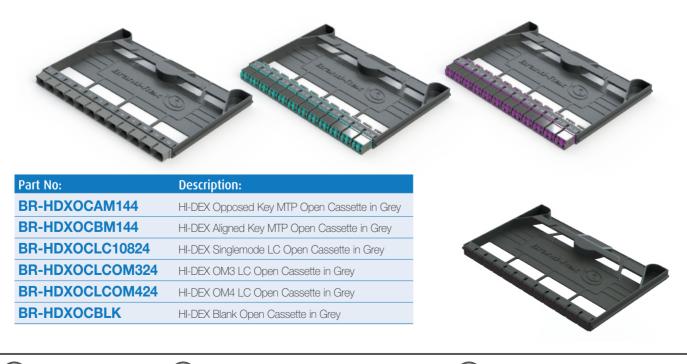
Innovative B-polarity cassettes provide alpha and beta configurations within a single unit which is flipped to transition between alpha and beta configurations.



Part No:	Description:
BR-HDXBBTMLCOM424	HI-DEX 2x12 MTP-LC OM4 A/B Polarity Cassette in Grey
BR-HDXBBTMLCOM324	HI-DEX 2x12 MTP-LC OM3 A/B Polarity Cassette in Grey
BR-HDXBBTMALC10824	HI-DEX 2x12 MTP-LC APC A/B Polarity Cassette in Grey, Singlemode
BR-HDXBBTMLC10824	HI-DEX 2x12 MTP-LC A/B Polarity Cassette in Grey, Singlemode
BR-HDXACTMLCOM424	HI-DEX 2x12 MTP-LC OM4 C Polarity Cassette in Grey
BR-HDXACTMLCOM324	HI-DEX 2x12 MTP-LC OM3 C Polarity Cassette in Grey
BR-HDXACTMAL10824	HI-DEX 2x12 MTP-LC APC C Polarity Cassette in Grey, Singlemode
BR-HDXACTMLC10824	HI-DEX 2x12 MTP-LC SM C Polarity Cassette in Grey

► HI-DEX OPEN CASSETTES

HI-DEX open cassettes provide 24 fibre LC presentation or 144 fibre MTP presentation in a single cassette, giving a maximum density of 144 LC fibres or 864 MTP fibres in 1U. Available in singlemode and both OM3 and OM4 multimode, HI-DEX open cassettes can be configured with opposed or aligned MTP adaptors or UPC or APC LC adaptors. HI-DEX open cassettes provide an added element of cable management.



PRE-TERMINATED ASSEMBLIES LEVITON.



► MTP FIBRE BREAKOUT HARNESSES

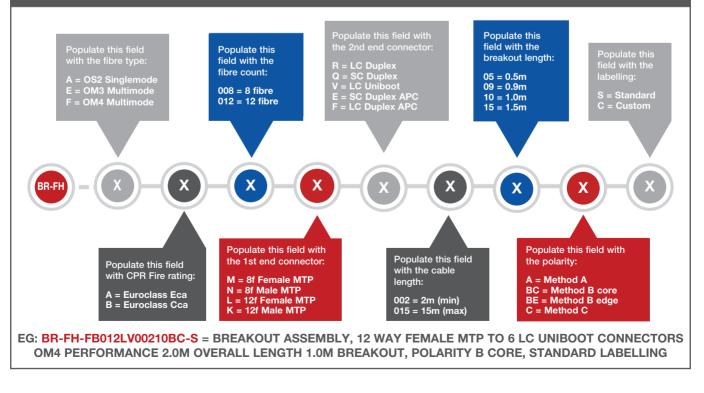
The micro-distribution cables used in the cable array assemblies are smaller and lighter than conventional optical cable products. This offers the added benefits of reducing the space taken in pathways, lightening loads in trays, and minimising the possibility of adversely affecting cooling under-floor airflows by creating air dams in cable pathways.

MTP[®] Hybrid breakout units are made up of 8 or 12 fibres Euroclass LSZH jacketed cables terminated at one end in MTP[®] low loss connectors. This passes through a bifurcation unit, to duplex low loss connectors (high precision SM tolerance versions) terminated to 2mm OD simplex cables. These are used to connect equipment in racks to MTP[®] terminated backbone cables.

- > The assemblies are available in OM3, OM4 and OS2 performance grade fibre.
- The assemblies are available in lengths between 2m & 15m. Custom engineered lengths are also available on request. The assemblies are delivered as coils.
- Colour will be determined by fibre type e.g. OM3 Aqua, OM4 Heather violet, OS2 Yellow.
- Break-out length, break-out connector, polarity and labeling (custom or standard) are also selectable
- Manufactured in the UK for quality and efficient delivery.



HOW TO CREATE MTP BREAKOUT ASSEMBLY PART NUMBERS





► MTP TO MTP - CABLE ASSEMBLIES

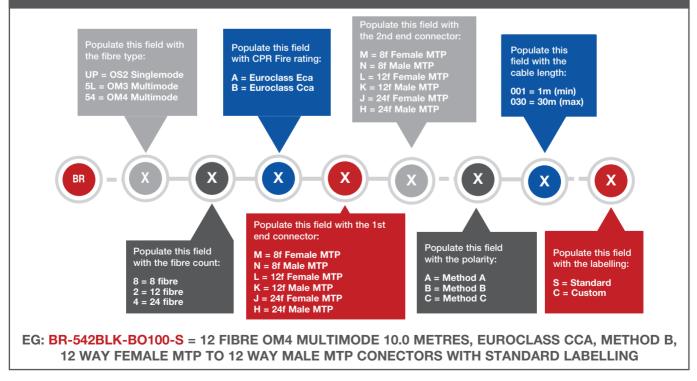
Cable assemblies are made up of 8, 12 or 24 fibre Euroclass LSZH jacketed cables terminated at both ends in MTP Low Loss connectors which can be loomed together to offer increased fibre counts 1 to 30m as standard.

Cable assemblies are supplied in standard lengths but custom lengths are also available on request.

- The assemblies are delivered as coils in lengths up to 50m long and on reels in lengths over 50m.
- Singlemode cables are yellow; multimode are either aqua (OM3) or heather-violet (OM4).
- Connector polarity & gender are fully selectable and labelling can also be customised.



HOW TO CREATE CABLE ASSEMBLY PART NUMBERS





LC UNIBOOT PATCH LEADS

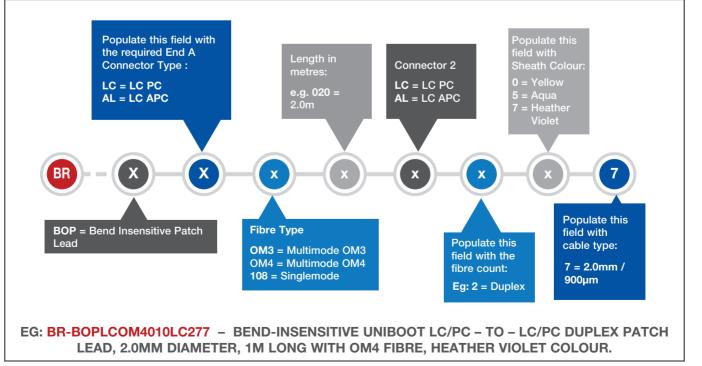
The micro-distribution cables used in the cable array assemblies are smaller and lighter than conventional optical cable products. This offers the added benefits of reducing the space taken in pathways, lightening loads in trays, and minimising the possibility of adversely a ecting cooling under-floor airflows by creating air dams in cable pathways.

The 2mm Unboot patch lead is suited for high density applications where the reduced cable diameter improves cable management by reducing the total volume of cable without reducing fibre count. The polarity of the Uniboot patch lead can be switched at the point of installation.

- > The assemblies are available in OM3, OM4 and OS2 performance grade fibre.
- The assemblies are available in standard lengths of 1 to 5m. Custom engineered lengths are also available on request. The assemblies are delivered as coils.
- Colour will be determined by fibre type e.g. OM3 Aqua, OM4 Heather violet, OS2 Yellow.



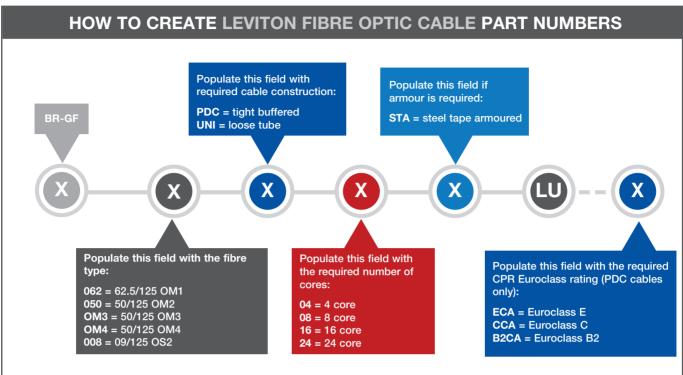
HOW TO CREATE LC UNIBOOT PATCH LEAD PART NUMBERS



FIBRE OPTIC CABLE

LEVITON

NetworksCentre.



EG: BR-GF062PDC04LU-CCA = 4 CORE 62.5/125 TIGHT BUFFERED INT/EXT CABLE BLACK EUROCLASS CCA

TIGHT BUFFERED EXTERNAL



For building backbone and horizontal distribution applications, the PDC cable range has been designed to be compact and yet offer excellent tensile performance making it suitable for a wide range of applications. The universal construction enables the cable to be used internally and externally without the need for transition cable joints. All universal PDC cables are constructed around the 900µm tight buffered elements which are suitable for direct termination.

- ➤ Compact design
- > Water blocked design
- ► Low smoke halogen free sheath
- > Available in Euroclass Eca, Cca and B2ca fire resistant grades.

> STEEL TAPE ARMOURED UNITUBE CABLE



LOOSE TUBE EXTERNAL



For building backbone applications, the duct grade unitube cable range has been designed to be lightweight and compact. The 4-12 fibre product variants are constructed around a 2.90mm gel filled loose tube, whereas the 16-24 fibre variants use a 4.00mm loose tube.

- > Compact water blocked design
- ► Up to 24 fibres
- > Level 1 rodent protection
- > Choice of universal or external sheath

For direct burial campus backbone applications, the steel tape armoured unitube cable range has been designed to be compact and yet offer excellent tensile and crush performance making it suitable for a wide range of applications. Steel tape armoured unitube cables are constructed around the 4.00mm gel filled PBT loose buffer tube. The 16-24 fibre variants are supplied with 2 bundles within the loose tube. A Multi Loose Tube construction is available for 48core single mode.

- ➤ Steel tape armouring
- ► Maximum protection from rodents
- > Choice of universal or external sheath





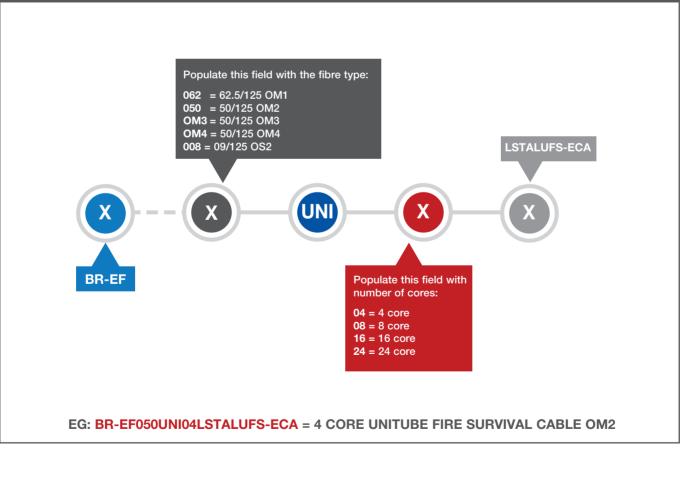
FIRE SURVIVAL CABLE



Fire Survival cable is used in areas where critical data transmission must continue when the building structure in which it is installed is on fire. For this reason its use in large public buildings such as data centres, airports, railway stations, stadia and onshore/offshore industrial structures is becoming increasingly common. The use of the cable in building management, fire and security systems means that these vital systems will remain functional in the event of a real life incident which requires an emergency evacuation.

- ► Independent 3rd party tested (BRE)
- > Unitube design offering up to 24 fibres
- ► Layer of fire retardant tape
- ► Steel tape armour
- > Twin low smoke halogen-free sheaths

HOW TO CREATE OUR LEVITON FIRE SURVIVAL CABLE PART NUMBERS



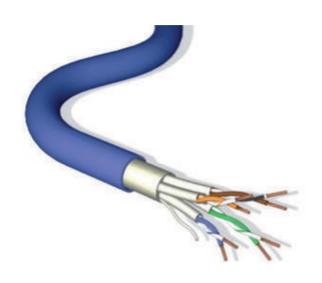
COPPER RAIL SAFE CABLE



NetworksCentre.

RailSafe is a range of high performance low voltage power and signalling, fibre optic and copper cables. These cables are designed for use in signalling, data, telecommunications track-side, underground and metro station applications, where the effect of fire on cables is critical to the cable performance in the environment installed. Leviton has an extensive experience of products and materials used in the rail industry and holds a vast range of London Underground approvals, considered to be at the peak of cable performance in terms of smoke and fire performance.

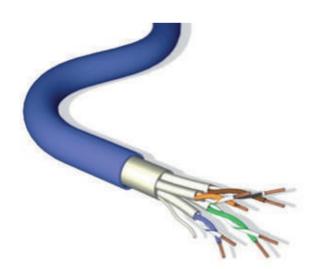
► RAILSAFE CAT6A S/FTP LSC CABLE



RailSafe Cat6A S/FTP LSC communication cable is a premium grade Class EA/Cat6A cable. It exceeds the Cat6A performance standards and is rated to 500MHz. It is suitable for use in all structured wiring cabling systems up to and including Class EA and is able to support 10 Gigabit Ethemet protocol. The cable meets the specific fire, smoke and toxicity requirements for use in subsurface rail applications. Meets LUL 2337.

Part No:	Description:
BR-RAILSAFE-AC6S-FTP	Railsafe Cat6A S/FTP LSC 23AWG 4 pair Class EA Cat6A cable. Supplied on a 500m reel.

► RAILSAFE CAT6 S/FTP LSC CABLE



RailSafe Cat6 S/FTP LSC communication cable is a premium grade Class E Cat6 cable. It exceeds the Cat6 performance standards and is rated to 250MHz. It is suitable for use in all structured wiring cabling systems up to and including Class E and is able to support Gigabit Ethernet protocol. The cable meets the specific fire, smoke and toxicity requirements for use in subsurface rail applications.

rt No:	Descript
R-RAILSAFE-C6S-FTP	Railsafe C

Pai

BF

Railsafe Cat 6 S/FTP LSC 23AWG 4 pair Class E Category 6 cable. Supplied on a 500m reel.

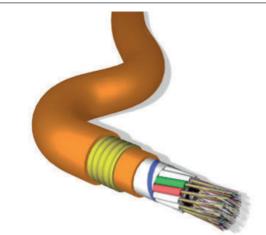
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FIBRE RAIL SAFE CABLE



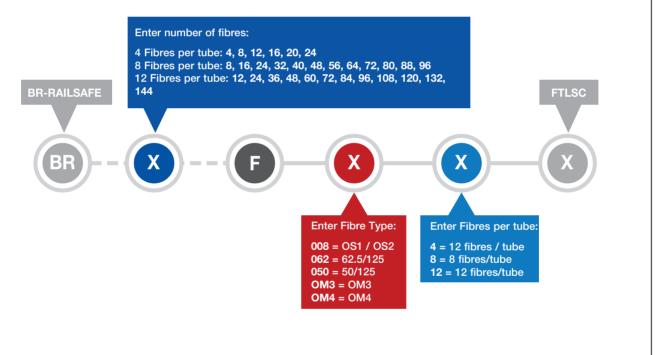
NetworksCentre.

► RAILSAFE NON-METALLIC ARMOURED LSC OPTICAL CABLES



A high performance Fire Resistant Low Smoke Halogen Free (LSHF) optical fibre cable combining the benefits of water swell and nonmetallic armour technology. The cables meet the specific fire, smoke and toxicity requirements for use in subsurface rail applications. Cables are available in all standard singlemode and multimode fibre types. Meets London Underground 1708.

HOW TO CREATE OUR RAILSAFE NON-METALLIC ARMOURED LSC OPTICAL CABLES PART NUMBER



EG: BR-RAILSAFE-108F00812FTLSC =

RAILSAFE NON-METALLIC ARMOURED 108 FIBRE SINGLE MODE CABLE WITH 12 FIBRES PER TUBE

Can't find what you're looking for? Then contact us...

BLOLITE



NetworksCentre.

▶ BLOLITE BLOWN FIBRE SOLUTION

Customer requirements continue to grow in this ever-changing market. Installers are testing bandwidth capability alongside the performance of infrastructure. Choosing the right cabling system, whether small or large, has never been so important. Network planners must decide on site suitability and what fibre to use when considering future network expansion. Leviton has created a cost-effective solution, designed for internal and external applications. Introducing Blolite, an innovative system using air blown fibre, giving complete freedom from risk, by pre-installing a ducting route inside sheath.

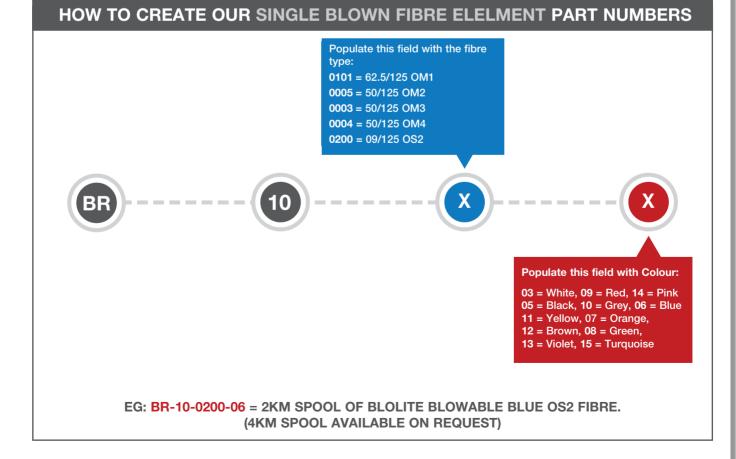
Blolite is the industry standard for air-blow fibre systems. The solution allows for long distance links of up to 1km. Blolite is easily installed using compressed air. This technique makes the process hassle free, ensuring no disruption to the workplace. Blolite fibres are easily terminated and are compatible with all standard optical connectors. With a zero failure rate since 1988 – take advantage of this insurance policy for your high speed network requirements.

> SINGLE BLOWN FIBRE ELEMENTS



The Blolite system offers a complete range of high quality singlemode and multimode optical fibres, with a blowable coating and a finished size of 500µm. The Blolite fibre is strippable with standard tools and is compatible with standard connector types. Blolite fibre is available in twelve standard colours and is supplied on plastic spools in 2km or 4km lengths for installation into Blolite 3mm, 5mm and 8mm MicroDuct by trained and licensed Blolite installers using the IM2000 blow head.

- ► Unique 'Blowable' coating
- > 12 Standard Colours
- ► Installation up to 1000m





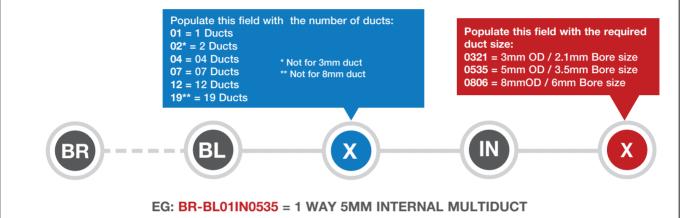
BLOLITE INTERNAL MULTIDUCTS



To facilitate the installation of Blolite single blown fibres, a range of multi-way MicroDucts into which Blolite fibres can be blown are available. The internal range of these MultiDucts are constructed with the standard Blolite MicroDuct surrounded with a layer of polyester tape and a LSHF outer sheath making them suitable for internal applications.

- > Available with 3mm, 5mm or 8mm MicroDucts
- ► Non metallic design
- ► Simple MicroDuct identification

HOW TO CREATE OUR INTERNAL MULTIDUCT PART NUMBERS

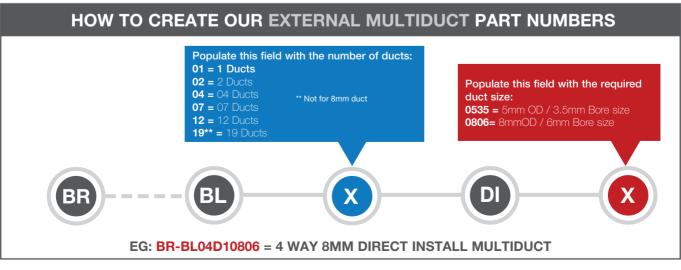


BLOLITE EXTERNAL MULTIDUCTS



To facilitate the installation of Blolite single blown fibres, a range of multi-way MicroDucts into which Blolite fibres can be blown are available. The external range of these MultiDucts are constructed with the standard Blolite MicroDuct Polyethylene outer sheath making them suitable for external applications.

- ► Available with 5mm or 8mm MicroDucts
- > MicroDuct numbered for identification



Can't find what you're looking for? Then contact us...

MICROBLO



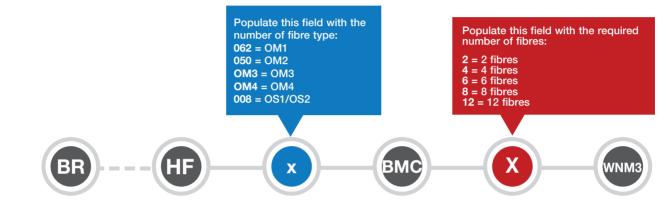
NetworksCentre.

> 2-12 FIBRE MICROBLO AIR-BLOWN MICRO CABLE



Microduct cabling systems are popular solutions for building flexibility into a network, they can be populated when needed and leave spare capacity for future growth. The ability to defer initial installation costs is a key advantage of an air blown cable installation over traditional cable installations. The Microblo air blown loose tube microduct cable is available with fibre counts from 2 to 12 in a 2.5 mm diameter package. The cable has been specifically designed and developed for improved installation efficiency in pre-installed 5 / 3.5 mm microducts using existing air blown installation techniques.

HOW TO CREATE OUR 2-12 FIBRE AIR-BLOWN MICRO CABLE PART NUMBERS

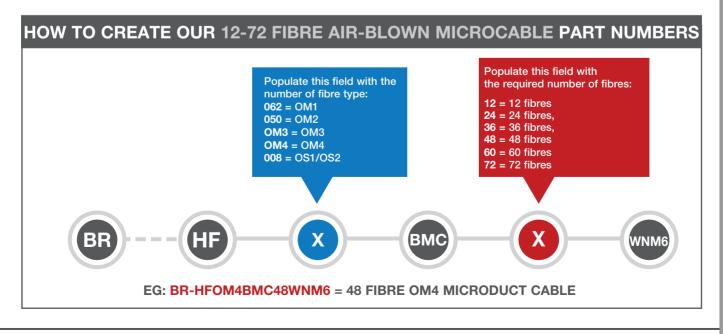


EG: BR-HFOM3BMC6WNM3 = 6 FIBRE OM3 MICRODUCT CABLE

▶ 12-72 FIBRE MICROBLO AIR-BLOWN MICRO CABLE



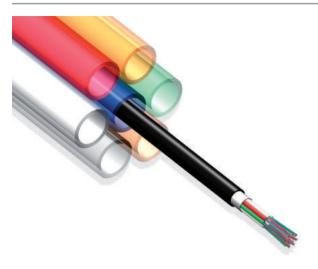
Microduct cabling systems are popular solutions for building flexibility into a network, they can be populated when needed and leave spare capacity for future growth. The ability to defer initial installation costs is a key advantage of an air blown cable installation over traditional cable installations. The Microblo air blown loose tube microduct cable is available with fibre counts from 12 to 72 in a 6.0 mm diameter package. The micro cable is constructed of a non metallic, resin bonded glass central strength member and high density polyethylene sheath. The cable has been specifically designed and developed for improved installation efficiency in pre-installed 10/8 mm microducts using existing air blown installation techniques. Dry water blocking technology ensures the cable cores are fully water blocked.





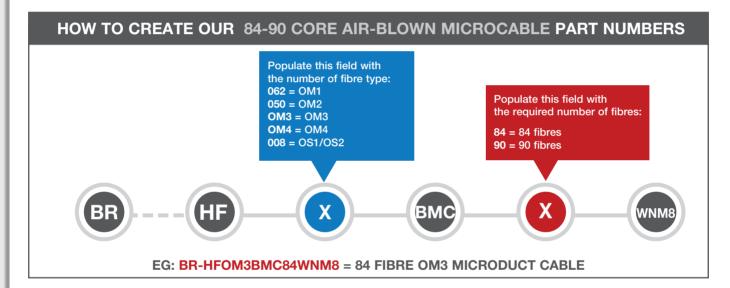


► UP TO 96 FIBRE MICROBLO AIR-BLOWN MICROCABLE



Microduct cabling systems are popular solutions for building flexibility into a network, they can be populated when needed and leave spare capacity for future growth. The ability to defer initial installation costs is a key advantage of an air blown cable installation over traditional cable installations. The new Microblo air blown loose tube microduct cable is available with fibre counts of 84 and 96 fibres in a 7.0mm diameter package. The cable has been specifically designed and developed for improved installation efficiency in pre-installed 12 /10 mm microducts using existing air blown installation techniques. Dry water blocking technology ensures the cable cores are fully water blocked.

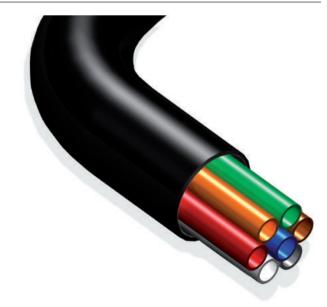
- > Non-metallic, resin bonded glass central strength member
- Layer of stranded elements: Maximum 12 fibres per gel filled tube, plus solid fillers as necessary
- > Dry water blocked interstices
- > High density polyethylene sheath



MICROBLO DIRECT INSTALL PROTECTED MICRODUCTS

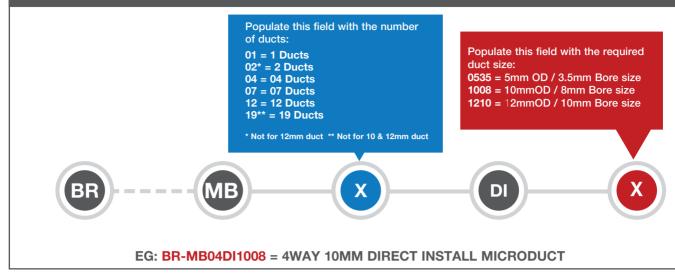
The Leviton MicroBlo range of Direct Install Protected MicroDucts offer up to 19 ducts in a single construction. The range has been designed to facilitate the installation of Leviton MicroBlo Air Blown Fibre cables into Direct Install installations.

- Up to 19 individual ducts coloured for identification options for high density and/or future proofed installations
- Range of Duct Sizes for compatibility with Leviton MicroBlo Cables
- Low friction polyethylene duct for optimised blowing performance and superior installation distances
- ► High Density Polyethylene outer sheath
- Included in the Leviton 25 Year System Warranty when used in conjunction with Leviton fibre connectivity





HOW TO CREATE OUR DIRECT INSTALL PROTECTED MICRODUCT PART NUMBERS

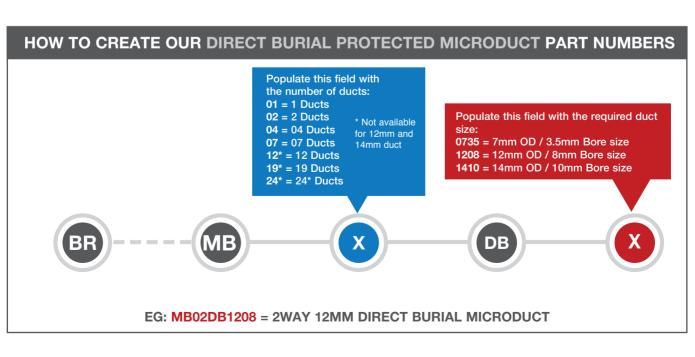


MICROBLO DIRECT BURIAL PROTECTED MICRODUCTS

The Leviton MicroBlo range of Direct Burial Protected MicroDucts offer up to 19 ducts in a single construction. The range has been designed to facilitate the installation of Leviton MicroBlo Air Blown Fibre cables into direct burial installations.

Leviton MicroDucts are available in a variety of constructions including Direct Install, Direct Burial, Flat Burial and Indoor to suit a wide range of installation environments.

- Up to 19 individual ducts coloured for identification options for high density and/or future proofed installations
- Range of Duct Sizes for compatibility with Leviton MicroBlo Cables
- Low friction polyethylene duct for optimised blowing performance and superior installation distances
- > High Density Polyethylene outer sheath
- Included in the Leviton 25 Year System Warranty when used in conjunction with Leviton fibre connectivity



(@) enquiries@networkscentre.com





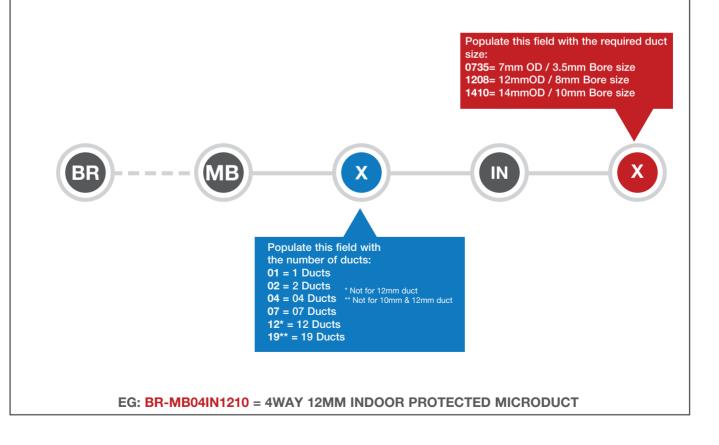
MICROBLO INDOOR PROTECTED MICRODUCTS



The Leviton MicroBlo range of Indoor Protected MicroDucts offer up to 19 ducts in a single construction. The range has been designed to facilitate the installation of Leviton MicroBlo Air Blown Fibre Cables to provide access into a building.

- Up to 19 individual ducts numbered for identification options for high density and/or future proofed installations
- Range of duct sizes for compatibility with Leviton MicroBlo Cables
- Standard low friction Halogen Free Flame Retardant Low Smoke (HFFR-LS) duct for optimised blowing performance and superior installation distances
- ► HFFR-LS outer sheath
- Included in the Leviton 25 Year System Warranty when used in conjunction with Leviton fibre connectivity

HOW TO CREATE OUR INDOOR PROTECTED MICRODUCTS PART NUMBERS





> STRAIGHT CONNECTOR FOR CONNECTING 2 EQUAL SIZE MICRODUCTS



Part No: & Description: BR-30-0501-00 5.0mm Straight Connector

BR-30-0801-00 8.0mm Straight Connector

> STRAIGHT SCREW CONNECTOR

Straight Screw Connector for connecting 2 equal size microducts, eliminating movement at the joint.



Part No: & Description:	
BR-30-0502-00	5.0mm Straight Screw Connector
BR-30-0802-00	8.0mm Straight Screw Connector

END STOP

End Stop for blocking of a redundant tube or temporary sealing



 Part No: & Description:

 BR-30-0504-00
 5.0mm End stop

 BR-30-0804-00
 8.0mm End stop

END PLUG

End Plug for blocking a straight connector when later connection is required



Part No: & Description:	
BR-30-0505-09	5.0mm End Plug
BR-30-0805-09	8.0mm End Plug

BULKHEAD CONNECTOR

Bulkhead Connector for attaching a microduct to a panel or wall box



Part No: & Description: BR-30-0506-09 5.0mm Bulkhead Connector



DUST CAP

Dust Cap for preventing dust ingress during installation.



► GAS BLOCKING 'T'

Gas Blocking 'T' Piece for use with resin to provide a gas blocking seal where required.



Part No: & Description:

BR-30-0507-05 5.0mm Dust Cap

BR-30-0807-05 8.0mm Dust Cap

Part No: & Description:

BR-30-0508-00 5.0mm Gas Blocking 'T'

BR-30-0808-00 8.0mm Gas Blocking 'T'

▶ 8MM TO 5MM REDUCER



8mm to 5mm Reducer. Reduces from 8mm to 5mm Microduct

Part No: & Description: BR-30-5801-00 8mm to 5mm Microduct Reducer

STEM CONVERTER



Stem Converter for use with Termination Splitter at the end of a duct route.

Part No: & Description: BR-30-5810-05 8mm to 5mm Stem

Termination Splitter for use at end of duct route to divert fibres to different termination points.

Part No: & Description:

BR-30-0809-05 8mm 'Y' duct diverter

► WATER BLOCKING STRAIGHT CONNECTOR



Water blocking straight connector for connecting 2 equal size microducts

Part No: & Description:

BR-30-0503-00 5mm Water blocking straight connector





PAN-NET™

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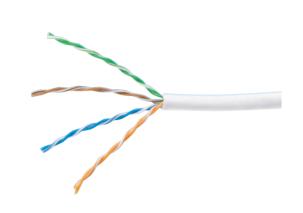
PAN-NET[™] FIBERRUNNER[™] NET-ACCESS[®] NETKEY[™] SYNAPSENSE[®] WYR-GRID[®] INTRAVIEW[™]

PANDUIT

PAN-NET[™] COPPER CABLE



► TX5500TM CAT5E UTP UNSHEILDED CABLE

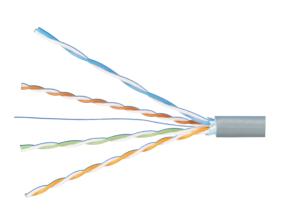


Part No:	Description:
PT-PUL5504WH-EY	UTP Cat5e Cable LSZH 305m. White Euroclass Dca

Premium Cat5E, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Conductors are twisted in pairs and protected by an LSZH (IEC 60332-1) jacket. 305m White

- ► Nominal Diameter 4.9mm (0.194 in.)
- ➤ Certified channel performance in a 4-connector configuration up to 100 meters
- \blacktriangleright Exceeds ISO 11801 Class D, ANSI/TIA-568-C.2 and component requirements of IEC 61156-5
- ► 24 AWG solid copper insulated with HDPE
- ► Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- ► Installation temperature range 0°C to 50°C (32°F to 122°F)
- ➤ Operational temperature range -20°C to 75°C (-4°F to 167°F)
- > Characterisd to 450 MHz, 350 MHz above the standards
- > Third Party tested to ISO/IEC 11801 and ANSI/TIA-568-C.2
- ➤ Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap.
- ► Supplied in an easy payout EZBrakeTM reel-in-a-box
- > EN50575:2014 + Al:2016 Euroclass Dca-s2-d2-a1

► TX5500[™] CAT5E F/UTP SHIELDED CABLE



Part No:

Description:

PT-PFL5504DG-KG

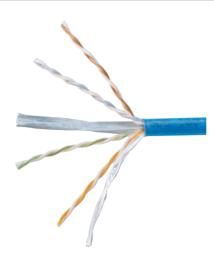
G F/UTP Cat5e Cable LSZH 305m. Dark Grey Euroclass Eca Premium Cat5E, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Conductors are twisted in pairs, surrounded by an overall metallic foil, and protected by an LSZH (IEC 60332-1) jacket. 305m Dark Grey

- ► Nominal Diameter 6.0mm (0.236 in.)
- ► Certified channel performance in a 4-connector configuration up to 100 meters
- \succ exceeds ISO 11801 Class D, ANSI/TIA-568-C.2 and component requirements of IEC 61156-5
- ► 24 AWG solid copper with PE insulation
- ► Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- ► Installation temperature range 0°C to 50°C (32°F to 122°F)
- ➤ Operational temperature range -20°C to 60°C (-4°F to 140°F)
- > Third Party tested to ISO/IEC 11801 and ANSI/TIA-568-C.2
- Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap
- > Supplied in an easy payout EZBrakeTM reel-in-a-box
- ► EN50575:2014 + AI:2016 Euroclass Eca





► TX6000[™] CAT6 UTP CABLE



Part No:	Description:
PT-PUL6004WH-EY	UTP Cat6 Cable LSZH 305m. White Euroclass Dca
PT-PUY6C04WH-CE	UTP Cat6 Cable LSZH 305m. White Euroclass Cca

Premium Cat6, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Conductors are twisted in pairs, separated by an integrated pair divider, and protected by an LSZH (IEC 60332-1) jacket. 305m White

- Exceeds requirements of ANSI/TIA-568-C.2 Cat6and ISO 11801 2nd Edition Class E channel standards
- Exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Cat6 component standards
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications
- > Third party tested to comply with ANSI/TIA-568-C.2
- ► Installation temperature range: 32°F to 122°F (0°C to 50°C)
- ➤ Operating temperature range: 14°F to 140°F (-10°C to 60°C)
- > Characterised to 550MHz, 300MHz above the standard
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- ► Cable supplied in an easy payout EZBrake[™] reel-in-a-box
- ► 23 AWG construction with HDPE insulation

► EN50575:2014 + Al:2016 Euroclass Dca-s2-d2-a1 and Euroclass Cca-s1-d1-a1 available

► TX6000[™] CAT6 F/UTP SHIELDED CABLE



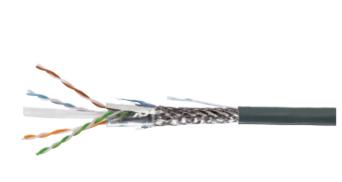
Part No:	Description:
PT-PFL6004DG-KD	F/UTP Cat6 Cable LSZH 500m. Dark Grey Euroclass Eca
PT-PFY6C04WH-CED	F/UTP Cat6 Cable LSZH 500m. White Euroclass Cca

Premium Cat6, low smoke zero halogen (LSZH), 4-pair, F/UTP copper cable. Conductors are twisted in pairs, separated by an integrated pair separator, surrounded by an overall metallic foil shield and protected by an LSZH (IEC 60332-1) jacket. 500m Dark Grey

- > Nominal Diameter 7.2mm (0.283 in.) (PT-PFL6004DG-KD)
- ➤ Certified channel performance in a 4-connector configuration up to 100 meters
- > Exceeds ISO 11801 Class E & ANSI/TIA-568-C.2 Cat6
- ► 23 AWG solid copper with PE insulation
- ► Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- ► Installation temperature range 0°C to 50°C (32°F to 122°F)
- ► Operational temperature range -20°C to 60°C (-4°F to 140°F)
- > Third Party tested as part of channel to ISO/IEC 11801
- > Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap and supplied on a reel
- ➤ EN50575:2014 + AI:2016 Euroclass Eca and Euroclass Cca-s1d1-a1 available



► TX6000[™] CAT6 SF/UTP SHIELDED COPPER CABLE



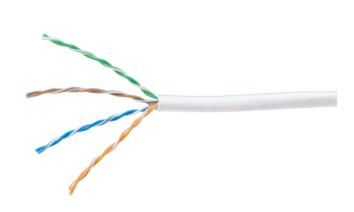
Part No: Description:

PT-PSFL6004DG-KD SF/UTP Cat6 Cable LSZH. 500m. Dark Grey Euroclass Eca

Cat6, low smoke zero halogen (LSZH), 4-pair, SF/UTP copper cable. Conductors are twisted in pairs, separated by an integrated pair separator, surrounded by an overall braid and overall foil shield, and protected by an LSZH (IEC 60332-1) jacket. 500m Dark Grey

- ► Nominal Diameter 7.4mm (0.291 in.)
- Certified channel performance in a 4-connector configuration up to 100 meters
- ► Exceeds ISO 11801 Class E & ANSI/TIA-568-C.2 Cat6
- ► 23 AWG solid copper with PE insulation
- ► Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- ► Installation temperature range 0°C to 50°C (32°F to 122°F)
- ► Operational temperature range -20°C to 60°C (-4°F to 140°F)
- ➤ Third Party tested to ISO/IEC 11801 & ANSI/TIA-568-C.2 Cat6
- Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap and supplied on a reel
- ► EN50575:2014 + AI:2016 Euroclass Eca

► TX6A-SDTM 10GIGTM UTP COPPER CABLE WITH MATRIX TECHNOLOGY (70M CHANNEL SOLUTION)



Part No:

PT-PUL6ASD04WH-CED

Description:

Cat6A UTP 4 Pair Cable White (Small Diameter) Per 305m. Copper Cable Euroclass Dca Premium Cat6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patent-pending MaTriX tape and protected by an LSZH (IEC 60332-1) jacket. Ideal for installations up to 70 meters. Smallest diameter Cat6A UTP cable on the market. 305m White.

- ► Nominal Diameter 6.1mm (0.240 in.)
- ► Exceeds ISO 11801 Class EA & ANSI/TIA-568-C.2 Cat6A*
- ► 26 AWG solid copper with HDPE insulation
- ➤ Meets IEEE 802.3af, IEEE 802.3at & IEEE 802.3bt for PoE applications
- ► Installation temperature range 0°C to 60°C (32°F to 140°F)
- > Operational temperature range -20°C to 75°C (-4°F to 167°F)
- Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap
- ► Supplied in an easy payout EZBrakeTM reel-in-a-box
- > EN50575: 2014 + A1:2016 Euroclass Dca-s2-d2-a1

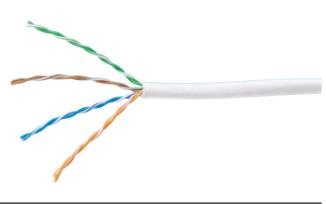
* Note: The cable utilises 26 AWG conductors which does not meet the 24 to 22 AWG conductor size of horizontal cable in ANSI/TIA-568-C.2, resulting in increased attenuation which de-rates the maximum channel distance to 70 meters

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► TX6ATM 10GIGTM UTP COPPER CABLE WITH MATRIX TECHNOLOGY (100M CHANNEL SOLUTION)



Part No: PUY6AM04WH-CEG Description: Cat6A UTP 4 Pair Cable Per 305m. Copper Cable - White, Euroclass Cca Premium Cat6A, low smoke zero halogen (LSZH), 4-pair, UTP copper cable. Conductors are twisted in pairs, separated by an integrated pair divider, surrounded by patent-pending MaTriX tape and protected by a EN13501-6 Euroclass jacket. 305m White

- ► Nominal Diameter 7.1mm (0.280 in.)
- Certified channel performance in a 4-connector configuration up to 100 meters
- Exceeds ISO 11801 Class EA, ANSI/TIA-568-C.2 Cat6A and component requirements of IEC 61156-5. Meets IEEE 802.3af, IEEE 802.3at & IEEE 802.3bt for PoE applications
- > 23 AWG solid copper with HDPE insulation
- ► Installation temperature range 0°C to 60°C (32°F to 140°F)
- ➤ Operational temperature range -20°C to 75°C (-4°F to 167°F)
- Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap
- ► Supplied in an easy payout EZBrakeTM reel-in-a-box
- > EN50575: 2014 + A1:2016 Euroclass Cca-s2-d2-a1

► TX6A[™] 10GIG[™] U/FTP SHIELDED COPPER CABLE



Part No:	Description:
PT-PUFZ6X04BU-KD	Cat6A 4-pair U/FTP Shielded Copper Cable LSZH 500m - Blue, Euroclass Dca
PT-PUFY6X04WH-HED	Cat6A 4-pair U/FTP Shielded Copper Cable LSZH 500m - White, Euroclass Cca

► TX7000[™] CAT7 S/FTP SHIELDED COPPER CABLE



Part No:	Description:
PT-PSL7004WH-KD	TX7000™CAT7 S/FTP Cable LSZH 500m - White, Euroclass Eca
PT-PSW7004WH-HED	TX7000™CAT7 S/FTP Cable LSZH 500m - White, Euroclass B2ca

()01403 754 233

Premium Cat6A, low smoke zero halogen (LSZH), 4-pair, U/FTP shielded copper cable. Conductors are twisted in pairs, each individual twisted pair covered by a metallic foil shield and protected by a EN13501-6 Euroclass jacket. 500m White

- ► Nominal Diameter 7.1mm (0.280 in.)
- Certified channel performance in a 4-connector configuration up to 100 meters
- Exceeds ISO 11801 Class EA, ANSI/TIA-568-C.2 Cat6A and component requirements of IEC 61156-5.
- ► 23 AWG conductors with HDPE insulation.
- ► Installation temperature range 0°C to 50°C (32°F to 122°F)
- ➤ Operational temperature range -20°C to 60°C (-4°F to 140°F)
- Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap and supplied on a reel
- EN50575:2014 + AI:2016 Euroclass Dca and Euroclass Cca-s1d1-a1 available

Cat7, low smoke zero halogen (LSZH), 4-pair, S/FTP shielded copper cable. Conductors are twisted in pairs, each covered by a metallic foil shield, surrounded by an overall braided shield, and protected by a EN13501-6 Euroclass jacket. 500m Dark Grey

- ► Nominal Diameter 7.3mm (0.287 in.) (PT-PSL7004DG-KED)
- ► Performance tested up to 1000 MHz
- Certified channel performance in a 4-connector configuration up to 100 meters
- Exceeds ISO 11801 Class EA, ANSI/TIA-568-C.2 Cat6A and component requirements of IEC 61156-5.
- > 23 AWG conductors with foamed skin PE insulation.
- ► Installation temperature range 0°C to 50°C (32°F to 122°F)
- ➤ Operational temperature range -20°C to 60°C (-4°F to 140°F)
- Descending scale cable length markings enable easy identification of existing cable, reducing time and scrap and upplied on a reel
- EN50575:2014 + Al:2016 Euroclass Eca and Euroclass B2ca-s1d1-a1 available



PAN-NET[™] COPPER MODULES

- ➤ High performance termination
- > Wire cap with separate quadrant for each conductor pair
- ► Highest density 48 ports in 1U

> STANDARD UNSHEILDED



► RIGHT ANGLE UNSHEILDED



- Provide minimal cable untwist
- ► 100% tested and individually serialised
- Terminates 22-26 & 22-30 AWG solid and stranded conductors

Part No:	Description:
PT-CJ6X88TG**	Cat6A Mini-Com® TX6A™ 10GigTM UTP Jack Module
PT-CJ688TG**	Cat6 Mini-Com® TX6™ PLUS UTP Jack Module
PT-CJ5E88TG**	Cat5e Mini-Com® TX5e™ UTP Jack Module

PANDUIT[™] NetworksCentre.

- ► Allows cable to route at a 90° angle to the left or right
- Ideal for installations with minimal depth as not to violate cable bend radius

Part No:	Description:
PT-CJR6X88TG**	Cat6A Mini-Com® TX6A™ 10GigTM Right Angle Jack Module
PT-CJR688TG**	Cat6 Mini-Com® TX6™ PLUS Right Angle Jack Module
PT-CJR5E88TG**	Cat5e Mini-Com® TX5e™ Right Angle Jack Module

SHUTTERED UNSHEILDED

> Includes shuttered door to protect contacts when not in use

 \blacktriangleright ldeal for use in dusty environments where jack is not always mated

Part No:	Description:
PT-CJD6X88TG**	Cat6A Mini-Com® TX6A™ 10GigTM Shuttered Jack Module
PT-CJD688TG**	Cat6 Mini-Com® TX6™ PLUS Shuttered Jack Module
PT-CJD5E88TG**	Mini-Com® TX5e™ Shuttered Jack Module

Bulk Packs: Standard jack modules available in bulk packs, which package jacks in a single box with no bag. Add -24 after part number for packs of 24. Add -C after part number for packs of 100.

****** = Replace with desired colour.

IW=Off White, El=Electric Ivory, IG=International Grey, AW=Arctic White, BL=Black, BU=Blue, GR=Green, RD=Red, OR=Orange, VL=Violet, YL=Yellow, WH=White, BR=Brown, LB=Light Blue, PK=Pink. Note: Colours shown may differ slightly from actual jack colours.

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Can't find what you're looking for? Then contact us...



> 28/30 AWG UNSHEILDED

- Required for terminating to wires of Panduit 28 AWG patch leads
- Terminates 28 AWG solid/stranded to 30 AWG solid conductors

Part No:	Description:
PT-CJT6X88TG**	Cat6A Mini-Com® TX6A™ 10GigTM 28/30 AWG Jack Module
PT-CJT688TG**	Cat6 Mini-Com® TX6™ PLUS 28/30 AWG Jack Module
PT-CJT5E88TG**	Cat5e Mini-Com® TX5e™ 28/30 AWG Jack Module



► CORROSIVE RESISTANT UNSHEILDED

- > Resists corrosive elements such as salt and moisture
- > Protects electrical contacts with polymer based gel

Part No:	Description:
PT-CJE688TG**	Cat6 Mini-Com® TX6™ PLUS Corrosive Resistant Jack Module
PT-CJE5E88TG**	Cat5e Mini-Com® TX5e™ Corrosive Resistant Jack Module



> STANDARD SHIELDED

- ► High performance termination
- Shielded wire cap with separate quadrant for each conductor pair
- > Provides minimal cable untwist
- ► 100% tested and individually serialised

Part No:	Description:
PT-CJS6X88TG**	Cat6A Mini-Com® TX6A™ 10GigTM UTP Jack Module
PT-CSJ688TG**	Cat6 Mini-Com® TX6™ PLUS UTP Jack Module
PT-CSJ5E88TG**	Cat5e Mini-Com® TX5e™ UTP Jack Module

- > Terminates 22-26 AWG solid and stranded conductors
- > Provides a 360° conductive path to ground
- ► 100% tested and individually serialised
- Seamless bonding of the jack module to ground when using Mini-Com® all metal modular patch panels



PAN-NET[™] COPPER PATCH LEADS



- ➤ Dual-rated CM/LSZH flame rating
- ► Patented tangle-free latch on all plugs
- ► All leads support PoE, PoE+, and PoE++

- ► Multiple Cat6A, Cat6 & Cat5e cord choices
- ► Cat6A now available in 28 AWG

> 28 AWG (SMALL DIAMETER) PATCH LEADS



- Supports up to 96 metres of channel length (when using 6 metres of patch)
- ➤ Dual CM/LSZH Flame rating
- > 28 AWG De-rating Factor 1.9

Part No:	Description:
PT-UTP28X*M^	Cat6A Performance 28 AWG UTP Patch Lead
PT-UTP28SP*M^	Cat6 Performance 28 AWG UTP Patch Lead
PT-UTP28CH*M^	Cat5e Performance 28 AWG UTP Patch Lead

► TX6A-SDTM (REDUCED DIAMETER) PATCH LEADS



➤ Supports full 100-metre Cat6A channel while using 24% less space than 24 AWG Cat6A leads

- > CM Flame rating and available LSZH option for metre lengths
- ► 26 AWG De-rating factor 1.5

Part No:	Description:
PT-UTP6ASD*M^	Cat6A TX6A™ 10Gig™ 26 AWG
	UTP Patch Lead with MaTriX Technology

► TX6A[™], TX6[™] PLUS AND TX5E[™] PATCH LEADS



- ➤ Supports full 100-metre channel
- ► 24 AWG De-rating factor 1.2

➤ CM flame rating with LSZH option for Cat6& 5e (metre lengths only)

Part No:	Description:
PT-UTP6A*M^	Cat6A TX6A™ 10Gig™ 24 AWG UTP Patch Lead with MaTriX Technology
PT-UTPSP*M^Y	Cat6TX6™ PLUS 24 AWG UTP Patch Lead
PT-UTPCH*M^Y	Cat5e TX5e™ 24 AWG UTP Patch Lead

* = Length 0.5m lengths up to 10m. 1m lengths 10m to 20m. 5m lengths 20m to 40m (UTP28) and to 60m (UTP6A, UTPSP, UTPCH)

^ = Lead colour. Off White default, BL=Black, BU=Blue, GR=Green, RD=Red, OR=Orange, VL=Violet, YL=Yellow, GY=Grey.

Pink (PK) available as cord Colour option for UTP28SP only.



PAN-NET[™] COPPER PATCH LEADS



> 28 AWG SMALL DIAMETER SHIELDED PATCH LEADS



- Supports up to 96 metres of channel length (when using 6 meters of patch)
- ► 28 AWG De-rating factor:1.9

Part No:	Description:
PT-STP28X*M^	Cat6A Performance 28 AWG F/UTP Shielded Patch Lead

► STANDARD SHIELDED PATCH LEADS



- ➤ Supports full 100-metre channel
- ► 26 AWG De-rating factor: 1.5

Part No:	Description:
PT-STP6X*M^ S/FTP Shielded Patch Lead	Cat6A TX6A™ 10Gig™ 26 AWG
PT-STP6C*M^ F/UTP Shielded Patch Lead	Cat6A TX6A™ 10Gig™ 26 AWG
PT-STPCH*MB#	Cat5e TX5e [™] 26 AWG F/UTP Shielded Patch Lead

* = Length

0.5m lengths up to 10m Length comes in 1m lengths between 10m to 20m & comes in 5m lengths between 20m to 40m (STP28X) or between 20m to 60m (STP6 & STPCH)

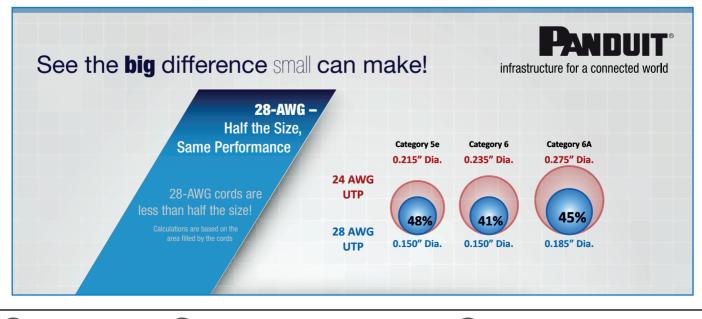
^ = Colour

Add suffix: IG (Int'I Grey), AW (Arctic White), BL (Black), BU (Blue), GR (Green), RD (Red), OR (Orange), VL (Violet), YL (Yellow), GY (Grey) STP6C not available in OR or VL. Off White default - leave blank. Additionally GY (Grey).

STPCH only available in IG.

= Boot Colour

Options for boots are BL, BU, GR, RD, YL, BR (Brown).



(9)

PAN-NET[™] PATCH PANELS



Panduit offers an extensive selection of modular patch panels, with various styles and port densities and an assortment of labelling options making them ideal for any installation.

Modular patch panels accept all Mini-Com[®] Modules in copper, fibre and AV, which snap in and out for easy moves, adds, and changes. This modular system is ideal for multimedia applications, providing flexibility to customise any installation. All patch panels mount to standard EIA 19-inch or 23-inch racks with optional extender brackets.

A variety of accessories are available to optimise the installation. Strain relief bars are recommended for all installations to properly support cables exiting the back of the panel. Covers and blank panels promote proper air flow and cooling by utilising unused rack openings.

Flat

Angled

Flat panels require horizontal cable managers to help organise and route cables into vertical managers. Extended strain relief bars are recommended to allow proper cable support. Angled panels enable higher density by allowing cables to flow to each side of the rack, thus minimising the need for horizontal cable managers and allowing patch leads to be routed directly into vertical cable managers. Straight strain relief bars are recommended, as closer mounting to the panel eliminates sagging and provides improved cable support.

High-Density Patch Panels

High-density patch panels are an ideal solution for installations with space constraints. They are available in flat and angled designs, with 48 ports in one rack space and 72 ports in two rack spaces. The angled design increases rack density, managing high-density applications in onefourth of the area needed for conventional cable management systems. (High capacity vertical managers are recommended.)

PATCH PANELS - PLASTIC FRONT

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-		 13
		2

Part No:	Description:
PT-CPP24WBLY	Modular patch panel with plastic front unloaded 24 port. 1U
PT-CPP48WBLY	Modular patch panel with plastic front unloaded 48 port. 2U
PT-CPPL24WBLY	Modular patch panel with plastic front unloaded 24 port.1U + label
PT-CPP48HDWBLY	Modular patch panel 48 port unloaded. 1U
PT-CPPL24M6BLY	24-port patch panel with four factory Installed CFPLM6BL snap-in
PT-CPPL48M6BLY	48-Port patch panel with eight CFPLM6BL snap-in faceplates

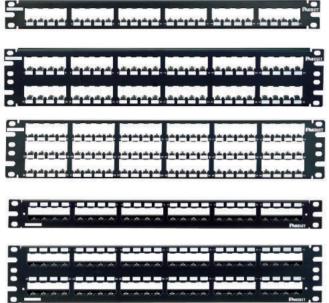
PATCH PANELS - ANGLED



Part No:	Description:
PT-CPPLA24WBLY	Modular angled 24 port patch panel Unloaded. 1U
PT-CPPLA48WBLY	Modular angled 48 port patch panel Unloaded. 2U.
PT-CPPLA72WBLY	Modular angled 72 port patch panel Unloaded. 2U



► PATCH PANELS - ALL METAL



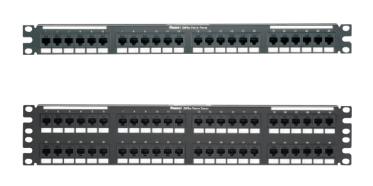
PATCH PANELS - ALL METAL ANGLED



Shielded patch panels are recommended for high RFI/EMI environments, where interference is a risk. Panduit's shielded offering includes integrated shielding which allows seamless integration with the Panduit® Structured GroundTM Grounding System.

Part No:	Description:
PT-CPA24BLY	Modular angled 24 port patch panel Unloaded 1U
PT-CPA48BLY	Modular angled 48 port patch panel Unloaded 2U
PT-CPA72BLY	Modular angled 72 port patch panel Unloaded 2U

PATCH PANELS - DP STYLE 110 UTP PUNCHDOWN



Part No:	Description:
PT-DP245E88TGY	24-port, Cat5e, patch panel with 24 RJ45,8-position, 8-wire ports
PT-DP485E88TGY	48-port, Cat5e, patch panel with 48 RJ45, 8-position, 8-wire ports
PT-DP24688TGY	24-port, Cat6, patch panel with 24 RJ45, 8-position, 8-wire ports
PT-DP48688TGY	48-port, Cat6, patch panel with 48 RJ45, 8-position, 8-wire ports
PT-DP246X88TGY	24-port, Cat6A, patch panel with 24 RJ45, 8-position, 8-wire ports
PT-DP486X88TGY	48-port, Cat6A, patch panel with 48 RJ45, 8-position, 8-wire ports



> For use with shielded jacks only

► Accept Mini-Com[™] Modules

shielded jack modules

> Provide write-on areas for port identification

> CPT removal tool allows easy moves, adds, and changes of

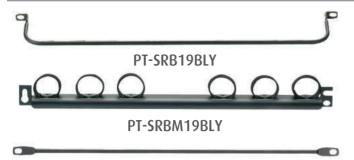
> Mount to standard TIA/EIA 19" rack or 23" racks with optional

Part No:	Description:
PT-CP24BLY	24-Port all metal modular patch panel. 1U. (for shielded jacks only)
PT-CP48BLY	48-Port all Metal modular patch panel. 1U. (for shielded jacks only)
PT-CP72BLY	72-Port all metal modular patch panel 2U rear cable management is required to prevent twisting. (for shielded jacks only)
PT-CP24WSBLY	Modular 24 port patch panel Unloaded + strain relief bar. 1U. (for shielded jacks only)
PT-CP48WSBLY	Modular 48 port patch panel Unloaded + strain belief bar. 2U. (for shielded jacks only)

CABLE MANAGEMENT



STRAIN RELIEF BARS



PT-SRBS19BL-XY

Part No: Description: PT-SRB19BLY Strain Relief Bar extends 50mm from Standard 19" rack for additional cable support PT-SRBM19BLY Strain Relief Bar and Tak-Ty "Hook and Loop Cable Ties for additional cable support PT-SRBS19BL-XY Straight Strain Relief Bar

FILLER PANELS



Part No:	Description:
PT-TLBP1S-V	1U Tool-less Filler Panel, 9.52mm (3/8 in.) Square Holes
PT-TLBP1R-V	1U Tool-less Filler Panel, M5 (#10) or M6 (#12) Round Tapped Holes
PT-TLBP2S-V	2U Tool-less Filler Panel, 9.52mm (3/8 in.) Square Holes
PT-TLBP2R-V	2U Tool-less Filler Panel, M5 (#10) or M6 (#12) Round Tapped Holes
PT-CPAF1BLY	1U Angled Filler Panel
PT-CPAF2BLY	2U Angled Filler Panel
PT-FLBSIM-51	Full-length Blanking Shade Blanks out 4-51 Consecutive Rack Units

► HORIZONTAL CABLE MANAGEMENT



Part No:	Description:
PT-CMPHF1	1U 4 D-ring Cable Management
PT-CMPHF2	2U 4 D-ring Cable Management
PT-NM2	2U NetManager [®] Horizontal Cable Manager with hinged cover, front and rear.
PT-NM4	4U NetManager [®] Horizontal Cable Manager with hinged cover, front and rear.
PT-NCMH2	2U NetManager [®] Horizontal Cable Manager with hinged Front Cover and Snap-on Rear cover, Front and Rear.
PT-NCMHF1	NetManager™ 1U Cable Management with cover
PT-NCMHF2	NetManager™ 2U Cable Management with cover
PT-WMPFSE	PatchLink™ 1U Cable Management with cover
PT-WMPSE	PatchLink™ 1U Cable Management with cover. Front and Rear
PT-WMP1E	PatchLink™ 2U Cable Management with cover. Front and Rear



FACEPLATES & BOXES

PANDUIT[™] NetworksCentre.

► UK FACEPLATES



Part No:	Description:
PT-CFPUKS2SAWY	86 x 86mm Single Gang Faceplate frame and one 1/2 Sloped Shuttered Module insert. Depth to rear of module: 18.0mm.
PT-CFPUKS4SAW-2GY	86 x 146mm Double Gang Faceplate frame and two 1/2 sized Sloped Shuttered Module inserts. Depth to rear of modules: 18.0mm
PT-CM6CSAW-X	Shuttered Module snaps into standard UK LJ6C Floorbox Mounting Plates, faceplates and patch panels and holds a single Mini-Com™ module. Depth to rear of modules (copper): 29.0mm

Available in: AW - Arctic White, IW - International White and WH - White (For other colours, replace AW with either IW or WH)

> SURFACE MOUNT BOXES



- ➤ Accept Mini-Com[™] Modules for STP and UTP, fibre optic, and audio/video, which snap in and out for easy moves, adds, and changes
- Mount easily with supplied mounting screws, adhesive tape, or optional magnet (CBM-X)

Part No:	Description:
PT-CBX2AW-AY	Mini-Com™ 2 Port Surface Mount Box
PT-CBX4AW-AY	Mini-Com™ 4 Port Surface Mount Box
PT-CBXF6AW-AY	Mini-Com™ 6 Port Surface Mount Box with
	Fibre Spool
PT-CBXF12AW-AY	Mini-Com™ 12 Port Surface Mount Box with
	Fibre Spool

Also available in black. Please call for more information.

- Cable entry from side and rear knockouts and from opening in centre of base
- CBXJ2 and CBX2 include built-in removable blank to add a second module
- > Optional adhesive labels available

MUTOA BOXES

Two module space, 1/2 size, sloped shuttered insert accepts two Mini-Com™ Modules. Shutters are spring loaded and rotate out of the way for cable connections. Not suitable for use with any audio/video or fibre connector module that protrudes beyond the face of the insert.



Part No:	Description:				
PT-CM6PIW	Mini-Com™ 6 Port Mutoa Box (Off White)				
For other colours, replace IW with suffix El (Electric Ivory), WH (White), IG (International Grey), BL (Black), CL (Clear)					
Part No:	Description:				
Part No: PT-CHS2SIW-X					



RACKS

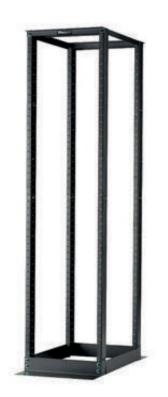


2 POST STANDARD EQUIPMENT RACK



PT-R2P

4 POST STANDARD EQUIPMENT RACK



The data equipment rack meets EIA-310D standards and is constructed of extruded aluminum or steel capable of accepting 19" wide EIA equipment. The telecommunications rack is constructed of extruded aluminum and capable of accepting 23" wide telecommunications equipment. Rack construction method ensures an electrically bonded structure for ease of grounding. The 3" channel rack are UL listed for 1000 lbs load rating and the 6" channel rack are UL listed for 1500 lbs load rating. The equipment mounting rails are double-sided #12-24 EIA universal mounting hole spacing. The equipment mounting rails include printed rack space identification on the front and back and be numbered up. The channel of the rack is capable of mounting NetRunner™ or PatchRunner™ Vertical Cable Managers. 24 #12-24 mounting screws are included with the rack.

Part No:	Description:
PT-R2P	Standard 19" EIA Aluminum 45RU 2-Post rack with hardware kit and Paint Piercing Bonding Kit, numbered up. Note: To acheive OSHPD compliance, use with Part Number R2PAK- OSHPD
PT-R2P6S	Standard 19" EIA Steel 45U 2-Post rack with hardware kit and Paint Piercing Bonding Kit, numbered up. Note: To acheive OSHPD compliance, use with Part Number R2PAK- OSHPD hardware kit and paint piercing bonding kit

The 4 post telecommunications rack come as 45 RU or 52 RU, constructed of steel and capable of accepting 19" wide EIA equipment. The equipment mounting rails have tapped #12-24 style mounting and have rack unit markings. The rack accepts shelves and equipment brackets. The front and rear structural posts of the rack are capable of mounting NetRunner[™] or PatchRunner[™] Vertical Cable Managers and accessories, such as power outlet unit brackets. The construction method supports up to 907kg (2000 lbs.) of equipment, cabling and ensure an electrically bonded structure for ease of grounding.

Part No:	Description:
PT-R4P	Standard 19" EIA 45U 30" deep 4-Post rack with hardware kit and paint piercing bonding kit
PT-R4PCN	Standard 19" EIA 45U 30" deep 4-Post rack with cage nut rails and hardware kit. 84" High (2134mm)
PT-R4P23	Standard 19" EIA Steel 45U, 23in deep, Threaded Mounting Holes, hardware kit and paint piercing bonding kit.
PT-R4P23CN	Standard 19" EIA Steel 45U, 23in deep, with cage nut rails and hardware ki
PT-R4P2396	Standard 19" EIA Steel 52U, 23in deep, Threaded Mounting Holes, hardware kit and paint piercing bonding kit.
PT-R4P23CN96	Standard 19" EIA Steel 52U, 23in deep, Cage Nut rails, hardware kit

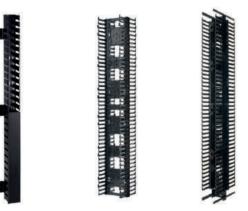


PANDUIT[™] NetworksCentre.

► PATCHRUNNER CABLE MANAGEMENT

Vertical cable managers provide a solution to organise, manage, protect & showcase cabling where space is at a premium or to manage high density networking equipment. PatchRunner[™] vertical cable managers are optimised to provide the maximum amount of capacity, flexibility and accessibility for high density switch and server applications. Two versions are available, regular and high capacity

- Minimises area required for network layout, freeing up valuable floor space
- Supports cables as they transition to the vertical pathway eliminating the need for horizontal managers
- Individual fingers can be removed (without the use of a tool) to provide a large open area when creating cable pathways
- Organise and manage patch cord slack allowing for standardisation of patch cord lengths
- > Dual hinged doors opens to the left or right to allow easy access to vertical pathway
- Allows vertical mounting of many standard EIA 19" accessories, such as patch panels (High Capacity Managers only)
- > Ventilated side walls provide maximum airflow for equipment cooling
- Snap-on finger sections can be removed to improve airflow, and break away fingers allow routing of large cable bundles
- Optional sure close dual hinged metal doors provide easy access to vertical pathway and provide visual and audible feedback on closure



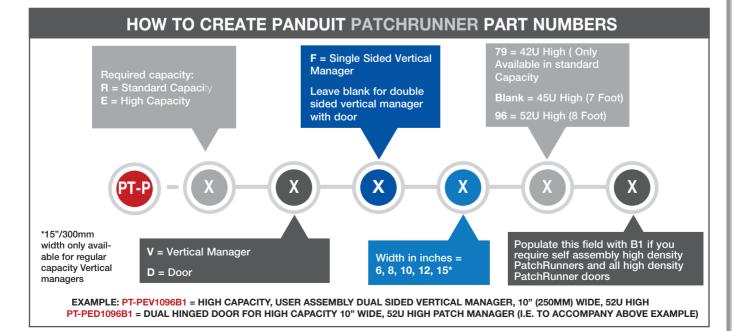
Vertical Cable Manager Tables: (Based on 40% fill to accommodate correct routing techniques)

Number of Cat6A Cables (24AWG/7.0mm)

Patch Runner Width "	Regular Capacity PR (Without Spools)		High Capacity PR	
	60% Side	40% Side	60% Side	40% Side
6"	254	185	436	311
8"	365	262	626	437
10"	476	338	814	561
12"	587	415	989	686
15"	753	530	N/A	N/A

Number of Cat6 Cables (24AWG/6.0mm

Patch Runner Width "	Regular Capacity PR (Without Spools)		High Capacity PR	
	60% Side	40% Side	60% Side	40% Side
6"	348	254	597	426
8"	500	359	857	599
10"	652	463	1115	769
12"	804	569	1355	940
15"	1031	725	N/A	N/A



CABINETS NET-ACCESS™ N-TYPE CABINETS & ACCESSORIES

Net-Access[™] N-Type Cabinets are the first choice for data centre managers and systems integrators specifying high density network, storage and computer applications that require optimal thermal management and the capacity to manage high cable densities.

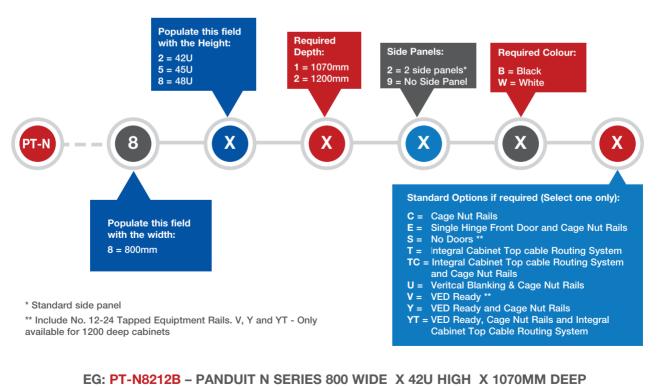
Integral cabinet air seal features and integration with passive hot and cold air containment components drive efficient utilisation of cooling capacity and reduce cooling energy consumption. The Net-Access™ inset frame design efficiently manages large quantities of cables and provides space for unmatched access reducing operational costs. This industry leading design also maximises air flow and provides easy access to equipment for ongoing operational efficiencies, providing exceptional value in a 800mm (31.5") wide enclosure.

- ➤ Inset frame provides up to 10% more space for cable management and cooling air flow
- Dual hinged doors speed deployments and moves, adds and changes by 30%
- > Efficiently manage high cable densities
- Open rail mounting creates more cable management space and equipment positioning flexibility
- Innovative levelling feet design reduces cabinet installation time by 80%
- Bond cabinets to the telecommunications grounding infrastructure with single connection, reducing installation time



ANDUIT[™] NetworksCentre.

HOW TO CREATE OUR NET-ACCESS[™] N-TYPE CABINET PART NUMBERS



WITH 2 SIDE PANELS BLACK CABINET

Can't find what you're looking for? Then contact us...

PANDUIT[™] NetworksCentre.

NET-ACCESS[™] S-TYPE CABINETS & ACCESSORIES

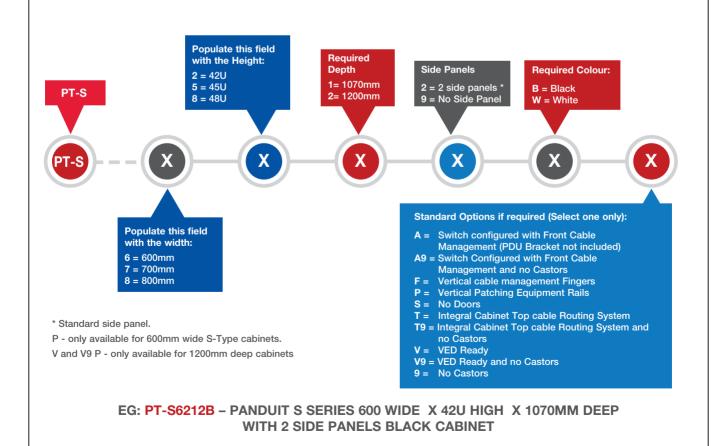
Net-Access[™] S-Type Cabinets provide data centre managers and systems integrators an unprecedented range of features in a cost effective cabinet platform for server, network, and pre-configured cabinet applications.

Integral cabinet air seal features and seamless integration with passive hot and cold air containment components provide efficient utilisation of cooling capacity, and contribute to reduced cooling energy consumption. An innovative frame design maximizes RU utilisation saving as much as 15% of the floor space while safely accommodating dynamic equipment loads. Offered in a variety of widths, heights and depths, they can be specified for a variety of applications in any facility to meet the diverse application needs of today's data centres.

- > Out-set cable entry improves floor space utilisation by 5%
- Zero RU E-Rail vertical patching adds capacity and improves floor space utilization by 10%
- Innovative levelling feet design reduces cabinet installation time by 80%



HOW TO CREATE OUR NET-ACCESS[™] S-TYPE CABINET PART NUMBERS

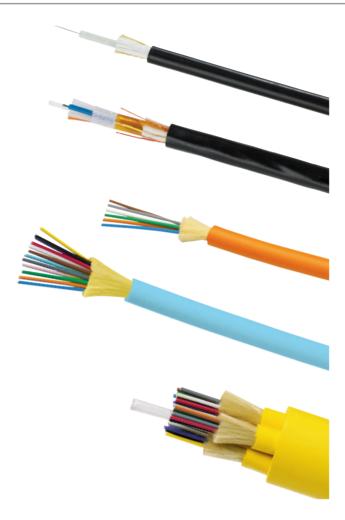


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PAN-NET[™] FIBRE



► OPTI-CORE[™] FIBRE CABLE



► INTERNAL FIBRE CABLE

Part No:	Description:
PT-FADCZ08-24	Fibre LSZH 50um OM4 Euroclass Cca Distribution Tight Buffered 8 Fibre Count Cable. Aqua.
PT-FADCZ12-24	Fibre LSZH 50um OM4 Euroclass Cca Distribution Tight Buffered 12 Fibre Count Cable. Aqua.
PT-FADCZ24-24	Fibre LSZH 50um OM4 Euroclass Cca Distribution Tight Buffered 24 Fibre Count Cable. Aqua.
PT-FADCX08-24	Fibre LSZH 50um OM3 Euroclass Cca 10 Gig Distribution Tight Buffered 8 Fibre Count Cable. Aqua.
PT-FADCX12-24	Fibre LSZH 50um OM3 Euroclass Cca 10 Gig Distribution Tight Buffered 12 Fibre Count Cable. Aqua.
PT-FADCX24-24	Fibre LSZH 50um OM3 Euroclass Cca 10 Gig Distribution Tight Buffered 24 Fibre Count Cable. Aqua.
PT-FADC908-24	Fibre LSZH SM OS2 Euroclass Cca Distribution Tight Buffered 8 Fibre Count Cable. Yellow.
PT-FADC912-24	Fibre LSZH SM OS2 Euroclass Cca Distribution Tight Buffered 12 Fibre Count Cable. Yellow.
PT-FADC924-24	Fibre LSZH SM OS2 Euroclass Cca Distribution Tight Buffered 24 Fibre Count Cable. Yellow.

Panduit provides high bandwidth and mission-critical physical infrastructures in data centre, enterprise and campus networks with comprehensive fibre optic systems that deliver high performance, reliability and scalability. The deployment of high-speed cabling systems has been increasing rapidly as data centres enable their physical infrastructure with 10 Gb/s capacity to support server virtualisation I/O consolidation, and convergence of backbone applications.

- > Used in intra-building backbone, building backbone, and horizontal installations for riser and general-purpose environments
- Available in 6, 12, and 24-fibre counts in a "single jacket" design, and in 36, 48, 72, 96 and 144-fibre counts in a "subunit" design
- ➤ Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS1/ OS2) fibre available
- Sheath markings provide positive identification, quality traceability, and length verification
- Cable design and flexible buffer tubes allow for quick breakout and ease of routing
- 900µm standards-based colour-coded buffer coating protects fibres during handling and allows for easy identification and stripping
- > Opti-Core[®] 10Gig[™] Fibre Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 metres for OM3 and up to 550 metres for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements

EXTERNAL FIBRE CABLE

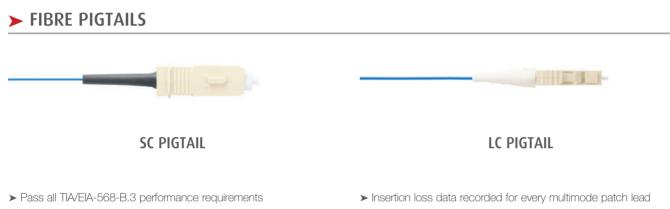
Part No:	Description:
PT-FQCLZ08	Fibre LSZH 50um OM4 Central Loose Tube 8 Fibre Count Cable. Black.
PT-FQCLZ12	Fibre LSZH 50um OM4 Central Loose Tube 12 Fibre Count Cable. Black.
PT-FQCLZ24	Fibre LSZH 50um OM4 Central Loose Tube 24 Fibre Count Cable. Black.
PT-FQCLX08	Fibre LSZH 50um 10 Gig Central Loose Tube 8 Fibre Count Cable. Black.
PT-FQCLX12	Fibre LSZH 50um 10 Gig Central Loose Tube 12 Fibre Count Cable. Black.
PT-FQCLX24	Fibre LSZH 50um 10 Gig Central Loose Tube 24 Fibre Count Cable. Black.
PT-FPCL908	Fibre LSZH SM Central Loose Tube 8 Fibre Count Cable. Black.
PT-FPCL912	Fibre LSZH SM Central Loose Tube 12 Fibre Count Cable. Black.
PT-FPCL924	Fibre LSZH SM Central Loose Tube 24 Fibre Count Cable. Black.

PANDUIT[™] NetworksCentre.

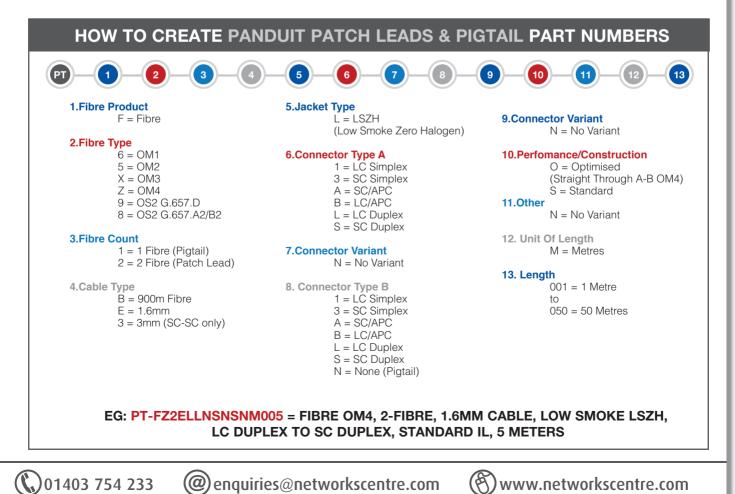
FIBRE PATCH LEADS



- > Pass all TIA/EIA-568-B.3 performance requirements
- ➤ 100% factory inspected end face geometry in compliance with Telcordia GR-326-CORE, Issue 3
- > Typical insertion loss per connection: 0.25dB
- ► UPC polished (55dB minimum return loss)
- > Factory terminated and 100% tested for insertion loss and return loss
- > Insertion loss and return loss data recorded for every singlemode patch lead
- > Lifetime traceability of test data to a Q.C. number on each patch lead
- > Highest quality flame retardant fibre optic cable with tight-buffered coating on each optical fibre



- ► Insertion loss per connection: 0.10dB typical; 0.30dB maximum
- ► Factory terminated and 100% tested for insertion loss
- Lifetime traceability of test data to a Q.C. number on each pigtail



OPTICAM[™] 2



► OPTICAM[™] 2 TERMINATION TOOL

The Opticam[®] 2 tool is ideal for installers, contractors, end users and IT Departments who do occasional terminations. It is designed to offer 100% "Right the First Time" termination of OptiCam fibre connectors – LC,SC and ST. The tool immediately calculates insertion loss value on completion of the camming process. Opticam® 2 tool is the most technologically advanced feature rich option for field terminated connectors.

Red and green light indicators provide additional visual confirmation of termination.

- > LCD Screen guides users through termination process
- > See connector insertion loss value
- > Re-terminate if unhappy with IL value
- Companion Mobile App available to create projects files. Connects smartphone via Bluetooth to tool.

Part No:

PT-FOCTT2-KIT

Description: The kit includes batteries, case, launch leads and one cradle each for Opticam[®] LC, SC2 and ST2 connectors



▶ OPTICAM[®] 2 PRE-POLISHED SC & LC CONNECTORS

- TIA/EIA-604 FOCIS-3 (SC)and FOCIS-10 (LC) compliant connectors
- ► Exceed TIA/EIA-568-B3 requirements
- > Insertion loss: 0.3dB average (multimode and singlemode)
- Return loss: >26dB (10Gig[™] multimode), >20dB (multimode), >50dB (singlemode)
- Quick installation; provides field termination in less than half the time of field polish connectors
- Patented re-termination capability provides yield rates approaching 100% and up to two re-terminations
- Factory pre-polished fibre endface eliminates time-consuming field polishing to reduce installation costs, labour, scrap and the number of tools required
- Cam activated fibre and buffer clamp mechanisms provide superior fibre and buffer retention – less sensitivity to fibre tensile loading
- > Fibre cable type 900µm tight-buffered fibre only
- Fibre Cable size 1.6mm 2.0mm and 3.0mm jacketed cable with optional boots
- For 250µm coated fibre termination, use 250 micron fibre build-up tube kit or fan-out kits



LC Simplex

Description:
LC OM3/4 MM Simplex Connector
LC OM2 MM Simplex Connector
LC OM1 MM Simplex Connector
LC OS2 SM Simplex Connector

LC Duplex

Part No:	Description:
PT-FLCDMCXAQY	LC OM3/4 MM Duplex Connector
PT-FLCDMC5BLY	LC OM2 MM Duplex Connector
PT-FLCDMC6EIY	LC OM1 MM Duplex Connector
PT-FLCDSCBUY	LC OS2 SM Duplex Connector

SC2 Simplex

Part No:	Description:
PT-FSC2MCXAQ	SC2 OM3/4 MM Simplex Connector
PT-FSC2MC5BL	SC2 OM2 MM Simplex Connector
PT-FSC2MC6EI	SC2 OM1 MM Simplex Connector
PT-FSC2SCBU	SC2 OS2 SM Simplex Connector

SC2 Duplex

Part No:	Description:
PT-FSC2DMCXAQ	SC2 OM3/4 MM Duplex Connector
PT-FSC2DMC5BL	SC2 OM2 MM Duplex Connector
PT-FSC2DMC6EI	SC2 OM1 MM Duplex Connector
PT- FSC2DSCBU	SC2 OS2 SM Duplex Connector

OPTICOM[®] FIBRE ADAPTORS **PANDUIT**[™] NetworksCentre. **& PATCH PANELS**

OPTICOM FIBRE ADAPTOR PANELS (FAP)



Fibre adaptor panels contain TIA/EIA-604 FOCIS compliant or compatible simplex or duplex fibre optic adaptors and meet or exceed TIA/EIA-568-B.3 requirements. Adaptors include phosphor bronze or zirconia ceramic split sleeves to fit specific network requirements. LC and SC adaptor housing colours follow the TIA/EIA-568-C.3 suggested colour identification scheme.

Part No:	Description:
PT-FAP6WEIDSC	SC FAP loaded with 6 SC duplex multimode fibre optic adaptors
PT-FAP6WBUDSCZ	SC FAP loaded with 6 SC duplex singlemode fibre optic adaptors
PT-FAP6WST	ST FAP loaded with 6 ST Simplex multimode fibre optic adaptors
PT-FAP6WSTZ	ST FAP loaded with 6 ST Simplex singlemode fibre optic adaptors
PT-FAP6WEIDLC	LC FAP loaded with 6 LC duplex multimode fibre optic adaptors
PT-FAP6WBUDLCZ	LC FAP loaded with 6 LC duplex singlemode fibre optic adaptors
PT-FAP6WAQDLC	LC FAP loaded with 6 LC duplex multimode fibre optic adaptors aqua
PT-FAP6WAQDLCZ	LC FAP loaded with 6 LC duplex multimode fibre optic adaptors aqua zirconia

▶ OPTICOM[®] QUICKNET[™] RACK MOUNT FIBRE CASSETTE ENCLOSURES



Part No:	Description:
PT-FCE1U	Holds up to four QuickNet™ Cassettes, FAP adaptor panels, or FOSM splice modules. dimensions: (43.9mm x 447.0mm x 414.0mm)
PT-FCE1UA	Open access version of FCE1U enclosure
PT-FCE2U	Holds up to eight QuickNet™ cassettes, FAP adaptor panels, or FOSM splice modules. dimensions: (88.4mm x 447.0mm x 414.0mm)
PT-FRE4U	Holds up to twelve QuickNet [™] cassettes, FAP adaptor panels, or FOSM splice modules. dimensions: (177.0mm x 447.0mm x 414.0mm)

FIBRE ADAPTOR PATCH PANELS



Part No:	Description:	
PT-CFAPPBL1	Flat fibre patch panel. Holds up to four FAP or FMP adaptor panels	
PT-CFAPPBL2	Flat fibre patch panel. Holds up to eight FAP or FMP adaptor panels	
PT-CFAPPBL1A	Angled fibre patch panel. Holds up to four FAP or FMP adaptor panels	
PT-CFAPPBL2A Angled fibre patch panel. Holds up to eig FAP or FMP adaptor panels		
Angled version holds Opticom [®] Fibre Adaptor Panels and matches		

- Mini-Com™ Angled Patch Panel profile
 - ➤ Use with Opticom[®] Rack Mount Fibre Trays to protect fibres and terminations

➤ Mount to standard EIA 19" rack rails

)01403 754 233

➤ Standard version holds both QuickNet[™] Fibre Optic Cassettes and Opticom® Fibre Adaptor Panels

► OPTICOM[®] RACK MOUNT FIBRE TRAYS



- Mount to standard EIA 19" rack rails
- > Standard front or angled front options
- Use with Opticom[®] fibre adaptor patch panels to protect fibres and terminations
- ➤ Can be used as a back box for select Mini-Com[™] Patch Panels
- Removable top cover provides access to connections, fibres, and slack storage in rear of tray
- Multiple trunk cable entry locations provided on rear and sides of enclosure
- Include fibre optic cable routing kit (grommets, cable ties, spools, strain relief bracket and ID/caution labels) for various cable management solutions
- One rack space = 1.75" (44.45mm).Optional locks available for rack mount enclosures. All product colour is black.

STANDARD PATCH PANELS

Part No:	Description:
PT-FMT1A	Mount with CFAPPBL1A Angled Fibre Adaptor Patch Panel to Hold Up to four FAP or FMP Adaptor Panels. Dimensions: 1.75" H x 17.16" W x 11.16" D (44.4mm x 433.3mm x 283.5mm)
PT-FMT2A	Mount with CFAPPBL2A Angled Fibre Adaptor Patch Panel to Hold Up to eight FAP or FMP Adaptor Panels. Dimensions: 3.48" H x 17.16" W x 11.16" D (88.3mm x 433.3mm x 283.5mm)
PT-FMT1	Mount with CFAPPBL1 Fibre Adaptor Patch Panel to Hold Up to four QuickNet™ Cassettes, FAP, and FMP Adaptor Panels. Dimensions: 1.75" H x 17.16" W x 11.16" D (44.4mm x 433.3mm x 283.5mm)
PT-FMT2	Mount with CFAPPBL2 Fibre Adaptor Patch Panel to Hold Up to eight QuickNet™ Cassettes, FAP, or FMP Adaptor Panels.Dimensions: 3.48" H x 17.16" W x 11.16" D (88.3mm x 433.3mm x 283.5mm)

PANDUIT[™]NetworksCentre.

Pre-loaded fibre drawers provide a pre-configured, ready-to-install system for managing fibre optic terminations, connections and patching in a 1U rack mount enclosure. The pre-loaded enclosure accommodates both field termination and field splicing, it supports trunk cable entry via PG style glands, blown fibre glands and metric knockouts with rubber grommets. The pre-loaded enclosure is a two-piece design with a slide-out drawer for full access to all fibre terminations, easy moves, adds and changes and simple installation.

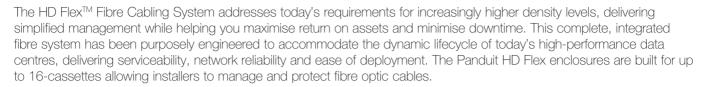
The enclosure has white write on areas adjacent to each adaptor for individual fibre channel labelling and a similar area for overall enclosure labelling. The enclosure has integral mounting brackets suitable for installation in any 19" wide EIA-310/IEC 60297 compatible rack or cabinet.



Part No:	Description:
PT-FD1W12BUDSCZ	Edrawer Loaded with 12 Singlemode SC Adaptors
PT-FD1W6BUDSCZ	Edrawer Loaded with 6 Singlemode SC Adaptors
PT-FD1W12BUDLCZ	Edrawer with 12 Duplex LC Adaptor Singlemode
PT-FD1W12AQDLC	Edrawer with 12 Duplex LC Adaptors OM3
PT-FD1W12AQDSC	Edrawer with 12 Duplex SC Adaptors OM3
PT-FD1W24BUDLCZ	Edrawer with 24 Duplex LC Adaptor Singlemode
PT-FD1W24AQDLC	Edrawer with 24 Duplex LC Adaptors OM3
PT-FD1W6AQDSC	Edrawer with 6 Duplex SC Adaptors OM3



PANDUIT HD FLEX[™] FIBRE CABLING SYSTEM



► HD FLEXTM – HIGH DENSITY FIBRE ENCLOSURES

Part No:	Description:
PT-FLEX1U06	1U HD Flex™ 6-Port Enclosure
PT-FLEX1U12	1U HD Flex™ 12-Port Enclosure
PT-FLEX2U06	2U HD Flex™ 6-Port Enclosure
PT-FLEX2U12	2U HD Flex™ 12-Port Enclosure
PT-FLEX4U06	4U HD Flex™ 6-Port Enclosure
PT-FLEX4U12	4U HD Flex™ 12-Port Enclosure



PANDUIT[™] NetworksCentre.

► HD FLEXTM – HIGH DENSITY FIBRE PANELS

Part No:	Description:
PT-FLEX1UPN06	1U HD Flex™ 6-Port Panel
PT-FLEX1UPN12	1U HD Flex™ 12-Port Panel
PT-FLEX2UPN06	2U HD Flex™ 6-Port Panel
PT-FLEX2UPN12	2U HD Flex™ 12-Port Panel
PT-FLEX4UPN06	4U HD Flex™ 6-Port Panel
PT-FLEX4UPN12	4U HD Flex™ 12-Port Panel



► HD FLEXTM - ENCLOSURE TRUNK SLACK PLATE

We offer a full range of mounting and cable management accessories for the HD Flex[™] cabling system, Please call for more infromation.

Part No:	Description:
PT-FLEX-PLATE1U	1U HD Flex™ Enclosure Trunk Slack Plate
PT-FLEX-PLATE4U	4U HD Flex™ Enclosure Trunk Slack Plate





► HD FLEXTM - HIGH DENSITY FIBRE CASSETTES

HD Flex[™] Fibre Optic Cassettes offer a wide array of deployment options to support both Ethernet and Fibre Channel networks. Cassette types are available with 1 MPO to 6 duplex LC connectors, 1 MPO to 4 duplex LC connectors for breaking out parallel optics applications (40G into four 10G channels), and 6-port duplex LC cassettes for splice terminations. Also 6-port MPO and duplex LC fibre adaptor panels (FAP).

HD Flex[™] Fibre Optic Cassettes allow system designers to tailor configuration, reach and breakout construction to application requirements; to minimise waste, optimise cable management, speed up deployment, and improve flexibility and manageability for lower installation costs.



		Part No:	
Description:	6-port, 12-fibre (1 MPO)	12-port. 12-fibre (2 MPOs)	12-port. 24-fibre (1 MPO)
	OM4 Fibre/Optimi	zed Loss (0.50 dB)	
Method A Polarity	PT-FHCZO-12-10AS	PT-FHCZ0-24-10AS	PT-FHCZ0-24F-10AS
Modified Method A Polarity (Pair flipped)	PT-FHCZO-12-10AF	PT-FHCZ0-24-10AF	PT-FHCZ0-24F-10AF
Method B Polarity	PT-FHCZO-12-10BN	PT-FHCZ0-24-10BN	PT-FHCZ0-24F-10BN
	OM4 Fibre/Ultra L	.ow Loss (0.35 dB)	
Method A Polarity	PT-FHCZA-12-10AS	PT-FHCZA-24-10AS	-
Modified Method A Polarity (Pair flipped)	PT-FHCZA-12-10AF	PT-FHCZA-24-10AF	-
Method B Polarity	PT-FHCZA-12-10BN	PT-FHCZA-24-10BN	-
OM3 Fibre/Optimized Loss (0.50 dB)			
Method A Polarity	PT-FHCXO-12-10AS	PT-FHCXO-24-10AS	PT-FHCXO-24F-10AS
Modified Method A Polarity (Pair flipped)	PT-FHCXO-12-10AF	PT-FHCXO-24-10AF	PT-FHCXO-24F-10AF
Method B Polarity	PT-FHCXO-12-10BN	PT-FHCXO-24-10BN	PT-FHCXO-24F-10BN
OS2 Fibre/Standard Loss (0.75 dB)			
Method A Polarity	PT-FHC9N-12-10AS	PT-FHC9N-24-10AS	PT-FHC9N-24F-10AS
Modified Method A Polarity (Pair flipped)	PT-FHC9N-12-10AF	-	-

PANDUIT[™] NetworksCentre.

► HD FLEXTM – HIGH DENSITY FIBRE BREAKOUT CASSETTES



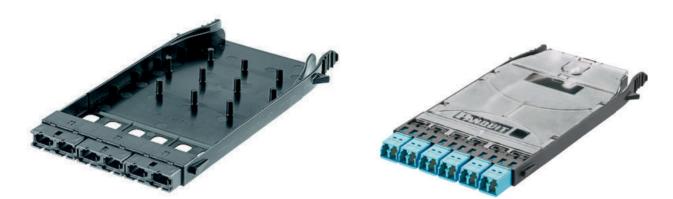
Description:	6-port, 12-fibre (1 MPO)	Part No: 12-port. 12-fibre (3 MPOs)	12-port. 24-fibre (1 MPO)	
	OM4 Fibre/Optimi	zed Loss (0.50 dB)		
Method B Polarity	PT-FHC3ZO-08-10B	PT-FHC3Z0-24-10B	PT-FHC3Z0-24F-10B	
	OM4 Fibre/Ultra Low Loss (0.35 dB)			
Method B Polarity	PT-FHC3ZA-08-10B	PT-FHC3ZA-24-10B	-	
OM3 Fibre/Optimized Loss (0.50 dB)				
Method B Polarity	PT-FHC3XO-08-10B	PT-FHC3XO-24-10B	PT-FHC3XO-24F-10B	
OS2 Fibre/Standard Loss (0.75 dB)				
Method B Polarity	PT-FHC39N-08-10B	PT-FHC39N-24-10B	PT-FHC39N-24F-10B	

Change B to A in part numbers for method A conversion Cassettes.



PANDUIT[™] NetworksCentre.

► HD FLEXTM - PRE-LOADED LC SPLICE FIBRE CASSETTES



Part Number:	Description:		
OM4 Fibre/Optimized L	OM4 Fibre/Optimized Loss (0.15 dB max connector insertion loss plus splice loss)		
PT-FHSZO-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves		
PT-FHSZO-12-10R	Pre-loaded with 12 fibre ribbon pigtail and 1 ribbon fibre splice sleeve		
OM4 Fibre/Ultra Low L	oss (0.1 dB max connector insertion loss plus splice loss)		
PT-FHSZA-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves		
PT-FHSZA-12-10R	Pre-loaded with 12 fibre ribbon pigtail and 1 ribbon fibre splice sleeve		
OM3 Fibre/Optimized L	oss (0.15 dB max connector insertion loss plus splice loss)		
FHSXO-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves		
FHSXO-12-10R	Pre-loaded with 12 fibre ribbon pigtail and 1 ribbon fibre splice sleeve		
OS2 Fibre/Standard Loss (0.35 dB max connector insertion loss plus splice loss)			
PT-FHS9N-12-10P	Pre-loaded with 12 pigtails (250µm) and 12 splice sleeves		
PT-FHS9N-12-10R	Pre-loaded with 12 fibre ribbon pigtail and 1 ribbon fibre splice sleeve		

Part Number:	Description:	
LC Fibre Adaptor Panels		
PT-FHSXN-12-10N	6 LC duplex multimode adapters in aqua with zirconia sleeves	
PT-FHS9N-12-10N	6 LC Duplex singlemode adapters in blue with zirconia sleeves	
MPO Fibre Adaptor Panels		
PT-FHMP-6-ABL	6 MPO type A adapters (key-up to key-down) in black	
PT-FHMP-6-BCG	6 MPO type B adapters (key-up to key-up) in charcoal grey	
PT-FHMP-6-ARD	6 MPO type A adapters (key-up to key-down) in red	

 \checkmark

Can't find what you're looking for? Then contact us...

PANDUIT[®] NetworksCentre.

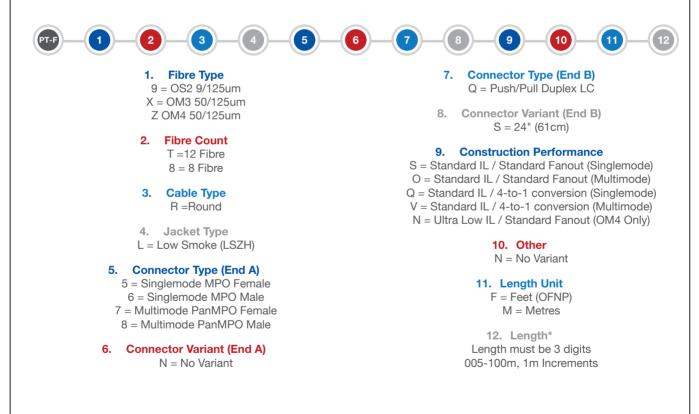
► HD FLEX[™] ROUND HARNESS CABLE ASSEMBLIES



HD Flex Harnesses are round harness cable assemblies featuring LC connectivity on one end, and PanMPO[™] on the other, for easy changing of polarity and gender. Available in several configurations, multiple fibre types and cable jackets.

- > Fast Infrastructure deployment, optimising cable pathway space
- Provides compatibility, flexibility and system performance as part of the HD Flex system
- > Available in standard fan out or 4 to 1 conversion formats

HOW TO CREATE OUR ROUND HARNESS ASSEMBLIES PART NUMBERS



EXAMPLE: PT-FZTRL8NQSSNM003 = FIBRE HARNESS ASSEMBLY OM4, 12 FIBRE, ROUND LSZH RATED, PANMPO MALE TO LC DUPLEX HARNESS WITH 61CM EQUAL BREAKOUT, STANDARD IL, NO PULLING EYE, 3 METRES



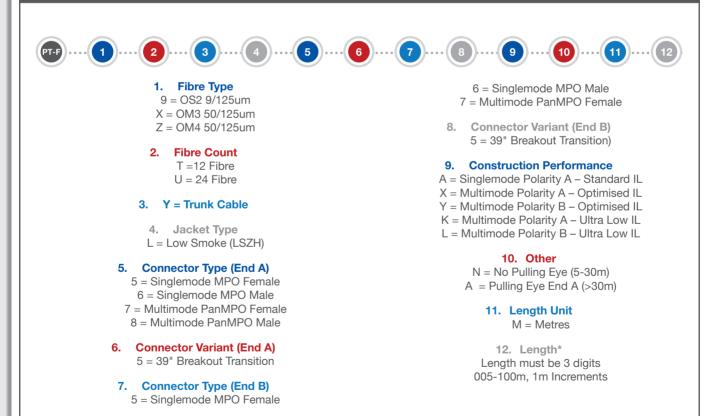
► HD FLEXTM TRUNK CABLE ASSEMBLIES



HD Flex Trunks Pre-terminated PanMPO™ Trunk Cable Assemblies allow rapid gender and polarity changes in the field for standards compliant cable plant migration from 10G Ethernet to 40G/100G Ethernet. Available in multimode or singlemode, 12-fibre, 24-fibre, and 48-fibre assemblies.

- Optimise cable routing requirements for efficient use of pathway space.
- Significantly reduces installation time and cost.
- Standard lengths available from 5 to 100m in 1m increments

HOW TO CREATE OUR TRUNK CABLE PART NUMBERS



EXAMPLE: **PT-FXUYL7575XAM030** = FIBRE TRUNK ASSEMBLY OM3, 24 FIBRE INDOOR SMALL DIAMETER TRUNK CABLE, LSZH, PANMPO FEMALE TO PANMPO FEMALE, POLARITY A, PULLING EYE, 30METRES





► HD FLEXTM ROUND INTERCONNECT CABLE



MPO Interconnect Round Cable Assemblies are pre-terminated 12 Fibre cable assemblies that are used in high density network applications. These assemblies are used in conjunction with preterminated cassettes in main and horizontal cabling distribution areas.

- Meets the demands of Gigabit Ethernet, 10Gigabit Ethernet and high speed Fibre Channel
- Available in standard, optimised and ultra-low insertion loss for multimode
- Small diameter and extremely flexible for shorter cable runs (0-30m)

HOW TO CREATE OUR ROUND INTERCONNECT PART NUMBERS



1. Fibre Type 9 = OS2 9/125um X = OM3 50/125um Z OM4 50/125um

2. Fibre Count T = 12 Fibre

3. Cable Type R = 3.0mm Round Indoor

4. Jacket Type L = Low Smoke (LSZH)

- 5. Connector Type (End A) 7 = PanMPO Female 8 = PanMPO Male
- 6. Connector Variant (End A) N = No Variant
- 7. Connector Type (End B) 7 = PanMPO Female 8 = PanMPO Male

8. Connector Variant (End B) N = No Variant

9. Construction Performance

A = Multi/Singlemode Polarity A – Standard IL

- B = Multimode Polarity B Standard IL
- X = Multimode Polarity A Optimised IL
- Y = Multimode Polarity B Optimised IL
- K = Multimode Polarity A Ultra Low IL
- L = Multimode Polarity B Ultra Low IL

10. Other N = No Pulling Eye

11. Length Unit M = Metres

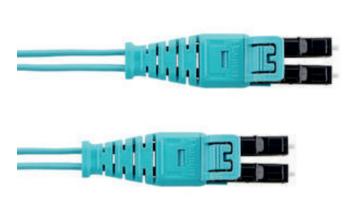
12. Length* Length must be 3 digits 001-050m, 1m Increments

EXAMPLE: PT-PT-FZTRL7N7NANM003 = FIBRE OM4, 12 FIBRE, 3.0MM ROUND LSZH RATED, PANMPO FEMALE TO PANMPO FEMALE, POLARITY A, NO PULLING EYE, 3 METRES





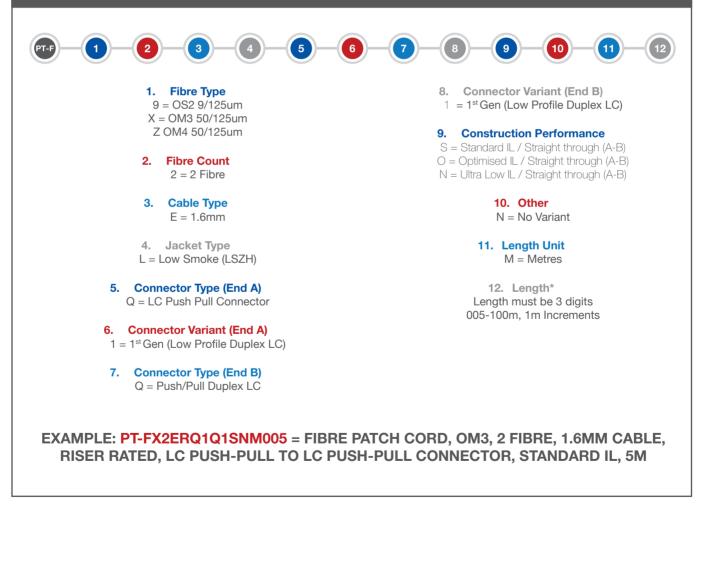
► HD FLEXTM PATCH LEAD



The HD Flex Push-Pull low profile LC Duplex Fibre Optic Patch Leads allow for rapid deployment of high density permanent links.

- > Custom push-pull strain relief boot and duplex clip
- Allows users easy accessibility in tight areas when deploying very high density LC patch fields in Data Centre applications.
- > Available in Standard, Optimised or Ultra low insertion loss

HOW TO CREATE OUR HD FLEX PATCH CORD PART NUMBERS



PANZONETM

PANDUIT[™] NetworksCentre.

► PANZONE[™] CONSOLIDATION POINT BOXES



- > Work with standard office raised floor tiles
- ➤ Include Cool Boot[®] Raised Floor Air Sealing Grommet for quick moves, adds, and changes
- ► Accept all Mini-Com[™] Modules
- > Accept field terminated or pre-terminated connectivity solutions
- ► Secure lockable cover

() 01403 754 233

 Compatible with 7/8" square, 1" diameter, 1 1/2" diameter, and 2" diameter raised floor pedestals

Part No:	Description:
PT-PZRFE4	Panzone™ raised floor enclosure accepts 4U standard patch panel or 2U of QuickNet™
PT-PZRFE8	Panzone™ raised floor enclosure accepts 8U standard patch panel or 4U of QuickNet™
PT-PZRFE12	Panzone™ raised floor enclosure accepts 12U standard patch panel or 6U of QuickNet™
PT-PZRFC	Panzone™ lockable cover for raised floor enclosures

► PANZONE[™] OVERHEAD DISTRIBUTION RACKS





- Designed to accept up to 2 RU of active electronics as deep as 17.5" and up to 6 RU of standard 19" passive connectivity (PZICEA only)
- Designed to accept up to 8 RU standard 19" passive connectivity (PZICE only)
- Thermal management design optimises air flow for improved heat dissipation; ideal for high heat load PoE enabled switch applications
- ➤ Mount in 2' x 2', 2' x 4', and 2' x 6' drop ceilings
- ► 23kgs door weight capacity
- Includes door plate, equipment mounting bracket and integrated horizontal cable slack manager
- > AC power ready receptacle not included (PZICEA only)
- ► Includes low decibel 60 CFM fan (PZICEA only)

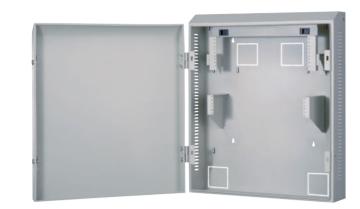
Part No:	Description:
PT-PZICEA	Panzone™ in ceiling fully assembled enclosure accepts 2U of active components
PT-PZICFK-E	Panzone™ in ceiling fan kit
PT-PZICGK	Panzone™ in ceiling grounding and bonding kit

- Ideal solution for adding more rack spaces above racks or cabinets in data centres or telecommunication rooms
- Universal mounting bracket can be mounted to most industry ladder racks, wire basket, or suspended by threaded rod from ceiling
- ► Multiple mounting configurations
- ► 40/60/80 lbs. load rating
- > Optional cable management solutions (PZBR4 and CMVDR2)

Part No:	Description:
PT-PZLRB2	Panzone™ Overhead Distribution Racks 2RU
PT-PZLRB4	Panzone™ Overhead Distribution Racks 4RU
PT-PZLRB6	Panzone™ Overhead Distribution Racks 6RU



▶ PANZONE[™] WALL MOUNTED SWITCH/PANEL ENCLOSURE



- Hold 12U of active and passive network equipment plus two additional U for power strips and small electronic devices (modems, routers, etc.)
- Structurally engineered to swing freely even under maximum load capacity
- Thermal management design (vents, perforated doors, and optional fan) optimises airflow for improved heat dissipation; ideal for high heat load PoE enabled switch applications
- ► Working load rating of 113kgs
- Adjustable rails mount at 1" increments to accommodate various depths of network equipment including PoE switches
- Individual rack spaces are identified for ease of equipment mounting

Part No:	Description:
PT-PZAEWM3Y	Panzone™ Wall Mounted Switch/Panel Enclosure
PT-PZAELOCK	Panzone™ Lock Kit for Wall Enclosure

- > Suitable for wall mount and underfloor applications
- UL 2043 approved for use in air-handling spaces for copper applications
- ➤ Accept Mini-Com[™] modules for STP and UTP, fibre optic, and audio/video, which snap in and out for easy moves, adds, and changes
- ➤ Supplied with cable management accessories
- > Optional fibre conversion kit available

Part No:	Description:
PT-CUFMB24BL	Mini-Com™ 24 Port Unloaded Metal Under Floor Box
PT-CUFB48BL	Mini-Com™ 48 Port Unloaded Metal Under Floor Box

► 10GIGTM SFP+ DIRECT ATTACH PASSIVE COPPER CABLE ASSEMBLIES

As virtualisation, consolidation, and convergence initiatives continue to grow, so do the demands placed on the physical infrastructure. To meet the needs for faster processing speeds, low power server inter-connect and I/O consolidation deployments, Panduit offers 10GigTM SFP+ Direct Attach Passive Copper Cable Assemblies.



This high speed data transport capability is ideal as server virtualisation becomes more prevalent. With multiple virtual machines, server I/O consolidation topology requires 10 Gb/s interconnects between top of rack switches and servers.

By incorporating 10Gig™ SFP+ direct attach passive copper cable assemblies into the physical infrastructure, businesses can achieve 10 Gigabit performance port-to-port without additional signal processing or conversion, providing a low power, low latency 10 Gb/s server interconnect option for top of rack switching applications.

Part No:	Description:	
PT-PSF1PXA <mark>1</mark> MBU	High speed twinaxial cable assembly with SFP+ 10Gbps hot pluggable modular connectors on each end 1 metre.	
Please insert required length 1-7 Metre eg:		

2 Metre - PT-PSF1PXA2MBU

3 Metre - PT-PSF1PXA3MBU

► PANZONE[™] METAL UNDER FLOOR BOX



QUICKNETTM

The QuickNet[™] Copper Cabling System provides a custom, pre-terminated cabling solution which meets unique requirements. Fast and simple to install, the system enables quick network deployment, increased reliability, and lower total cost of ownership as compared to field terminated installations. Engineered for maximum design flexibility and high rack density utilisation (up to 48-ports in one rack space), the system offers 100% factory tested pre-terminated cable assemblies in custom lengths and configurations. QuickNet[™] Angled and Flat Patch Panels accept QuickNet[™] Pre-Terminated Cassettes, Patch Panel Adaptors, and Blanks, which snap in and out, with one hand, for quick installation.

► QUICKNET[™] CABLE ASSEMBLIES

- > Offer UTP Cat6 Cabling and UTP/STP Cat6A Cabling
- > Pre-bundled with six cables for easy installation
- Available in lengths from 3 metre to 90 metres (half metre increments) and different cable colours for redundant path applications
- Multiple termination types including pre-terminated cassettes, jack modules, modular plugs, plug packs and/or unterminated options
- Shielded die cast cassette utilises direct bonding, eliminating external bonding requirement
- ➤ Each QuickNet[™] Cable Assembly is factory tested to electrical permanent link specifications
- > Euroclass Cca flammability ratings (Cat6 & Ca6A) available

➤ TX6ATM 10GigTM Copper Cabling Systems exceed requirements of ANSI/TIA-568-C.2, ISO 110801 Class EA Edition 2.1, IEEE 802.3an standards for supporting 10GBASE-T requirements

PANDUIT[™]NetworksCentre.

- ➤ TX6000[™] Copper Cabling Systems exceeds ANSI/TIA-568-C.2 and ISO 11801 2nd Edition Class E standard
- ➤ Jack modules utilise patented Giga-TX[™] Technology which optimises performance by maintaining cable pair geometry and eliminating conductor untwist
- Modular plugs meet all applicable ANSI/TIA-968-A requirements and exceed IEC 60603-7 specifications





PLEASE CALL FOR PART NUMBERS

► QUICKNET[™] PATCH PANELS





Part No:	Description:
PT-QAPP24BL	24-Port, Angled Patch Panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adaptors
PT-QAPP48HDBL	48-Port, Angled Patch Panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adaptors





Part No:	Description:
PT-QPP24BL	24-Port, Patch Panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adaptors
PT-QPP48HDBL	48-Port, Patch Panel which accepts QuickNet™ Pre-Terminated Cassettes and Patch Panel Adaptors

@enquiries@networkscentre.com



"THE '6 STEPS' OF THE RIGHT FIBRE CERTIFICATION PROCESS"



ORDER YOUR FREE PRINTED POSTER NOW, JUST SCAN THE CODE BELOW











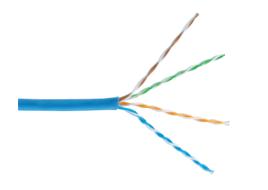


NETKEYTM COPPER CABLE



The NetKey[™] Copper Cabling System provides a complete, standards compliant cabling infrastructure solution for voice, data, and video applications. NetKey[™] Modules feature the universal Keystone design and are compatible with a wide assortment of modular patch panels, faceplates, and surface mount boxes. When teamed with complementary Panduit products, the NetKey[™] solutions cover all of your needs from the telecommunication room to the work area with the proven innovation and quality you depend on from Panduit.

▶ NETKEY[™] CAT6 UTP REDUCED DIAMETER CABLE

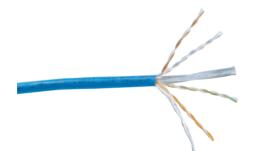


- ► Meets ISO/IEC Cat6/Class E performance requirements
- Descending length cable markings enable easy identification of remaining cable
- ► Nominal Diameter (mm) 5.2
- ► EN50575: 2014 Euroclass Eca
- Cable supplied in an easy payout reel in a box

Description:

PT-NUL6CR04BU-CE Cat6, LSZH, 4-pair, 24 AWG, UTP, Blue Reduced Diameter Copper Cable, Euroclass Eca, 305m

► NETKEY[™] CAT6 UTP CABLE



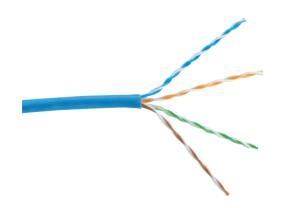
- ► Meets ISO/IEC Cat6/Class E performance requirements
- Descending length cable markings enable easy identification of remaining cable
- ➤ Third party verified

Part No:

- EN50575: 2014 Euroclass Eca, Dca-s2-d1-a1 and Cca-s1-d1-a1 available.
- > Cable supplied in an easy payout reel in a box

Part No:	Description:
PT-NUL6C04BU-CE	Cat6, Low Smoke Zero Halogen (LSZH), 4-pair, UTP, Blue Copper Cable, Euroclass Dca, 305m
PT-NUL6C04VL-CE	Cat6, Low Smoke Zero Halogen (LSZH), 4-pair, UTP, Violet Copper Cable, Euroclass Eca, 305m
PT-NUY6C04WH-CE	Cat6, Low Smoke Zero Halogen (LSZH), 4-pair, UTP, White Copper Cable , Euroclass Cca, 305m

► NETKEY[™] CAT5E UTP CABLE



- ► Meets ISO/IEC Cat5e/Class D performance requirements
- Descending length cable markings enable easy identification of remaining cable
- ► Third party verified
- ➤ 305m (1,000 ft.) in an easy-pay-out box
- ► EN50575: 2014 Euroclass Eca

Part No:	Description:
PT-NUL5C04BU-CE	Cat5e, Low Smoke Zero Halogen (LSZH), 4-pair, UTP, Blue Copper Cable, Euroclass Eca, 305m
PT-NUL5C04VL-CE	Cat5e, Low Smoke Zero Halogen (LSZH), 4-pair, UTP, Violet Copper Cable, Euroclass Eca, 305m

► NETKEY[™] PUNCHDOWN PATCH PANELS



Part No:	Description:
PT-NK6PPG48Y	Cat6, 48-port punchdown patch panel, 2U
PT-NK6PPG24Y	Cat6, 24-port punchdown patch panel, 1U
PT-NK5EPPG48Y	Cat5e, 48-port punchdown patch panel, 2U
PT-NK5EPPG24Y	Cat5e, 24-port punchdown patch panel, 1U

PANDUIT[™] NetworksCentre.

► NETKEY[™] ALL METAL PATCH PANELS



PT-NKMP48Y

► NETKEY[™] FLUSH MOUNT PATCH PANELS





PT-NKPP48FMY

Part No:	Description:
PT-NKMP24Y	24-port all metal modular patch panel, 1U
PT-NKMP48Y	48-port all metal modular patch panel, 2U

Part No:	Description:
PT-NKPPA24FMY	24-port flush mount angled modular patch panel, 1U
PT-NKPPA48FMY	48-port flush mount angled modular patch panel, 2U
PT-NKPP24FMY	24-port flush mount angled modular panel, 1U
PT-NKPP48FMY	48-port flush mount angled modular panel, 2U



NETKEYTM **MODULES & PATCH LEADS**



▶ NETKEY[™] CAT5e & CAT6 COPPER JACK MODULES





PT-NK688MIW PT-NKP5E88MIW

PT-NK688MIW-Q PT-NKP5E88MIW-Q

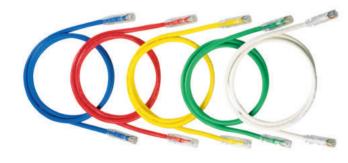
- ► Meet all industry performance standards for Cat6 and Cat5e
- > Punchdown jack modules are 100% performance tested and individually serialised for future traceability
- > Snap in and out of keystone openings for easy moves, adds and changes
- ➤ Universal label includes T568A and T568B wiring schemes
- > Jack Rapid tool is available, please see Page 199 for details.

Part No:	Description:
PT-NK688MIW	Cat6, 8-position, 8-wire, keystone punchdown jack module
PT-NK688MIW-Q	Convenience pack of 25, Cat6, 8-position, 8-wire, keystone punchdown jack modules
PT-NKP5E88MIW	Cat5e, 8-position, 8-wire, keystone punchdown jack module
PT-NKP5E88MIW-Q	Convenience pack of 25, Cat5e, 8-position, 8-wire, keystone punchdown jack modules
PT-NK5E88MIIW	Cat5e, 8-position, 8-wire, keystone leadframe jack module
PT-NK5E88MIW-Q	Convenience pack of 25, Cat5e, 8-position, 8-wire, keystone leadframe jack modules

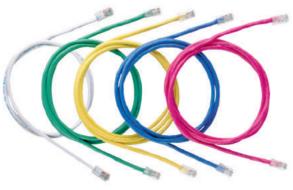
PT-NK5E88MIWY

PT-NK5E88MIW-Q

NETKEY[™] COPPER UTP PATCH LEADS



PT-NK6PC^*Y



PT-NK5EPC^M*Y



- ► 100% performance tested
- > Available in a variety of colours and lengths for design flexibility

Part No:	Description:
PT-NK6PC^M*Y	Cat6, UTP patch lead with modular plugs on each end
PT-NK5EPC^M*Y	Cat5e,UTP patch lead with modular plugs on each end

Available in 1, 2, 3, 4, 5 metre lengths.

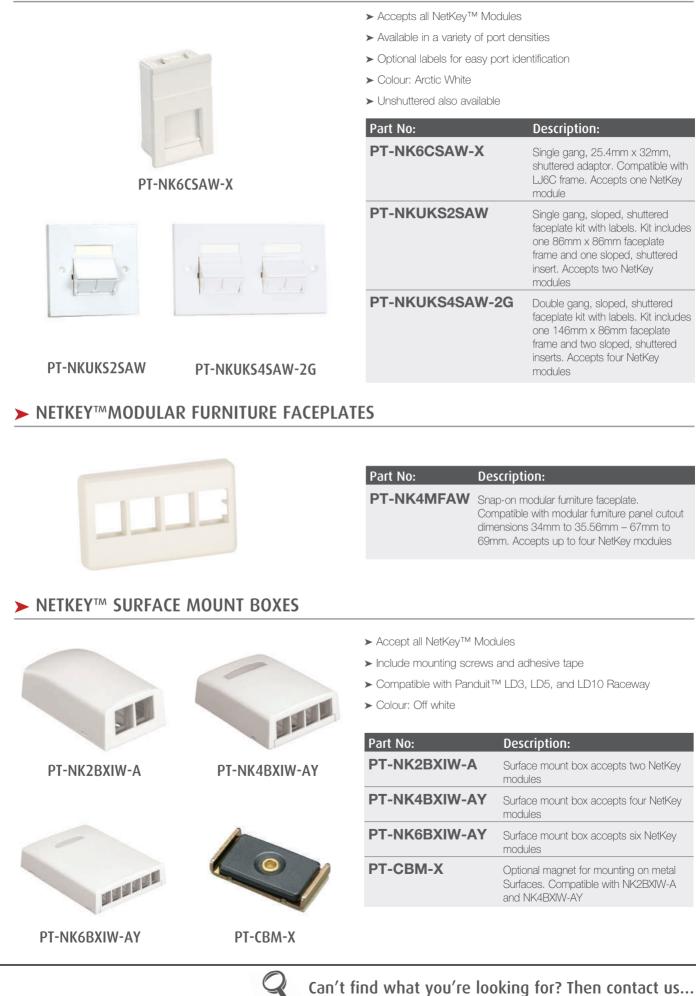
- - For standard colours other than Off White, add suffix BU (Blue), RD (Red), YL (Yellow) or GR (Green) before Y in the part number. For example, the part number of a blue, Cat6, 5-metre patch lead is PT-NK6PC5MBUY.



FACEPLATES



► NETKEY[™] FACE PLATES



94

PANDUIT[™] NetworksCentre.

Description:

12" Wyr-Grid[®] Pathway Section

18" Wyr-Grid[®] Pathway Section

24" Wyr-Grid® Pathway Section

30" Wyr-Grid[®] Pathway Section

8" Wvr-Grid[®] Trapeze Bracket

12" Wyr-Grid[®] Trapeze Bracket

18" Wyr-Grid[®] Trapeze Bracket

24" Wyr-Grid[®] Trapeze Bracket

30" Wyr-Grid[®] Trapeze Bracket

8" Wyr-Grid[®] Wall Mount Termination Bracket

Part No:

PT-WG12BL10

PT-WG18BL10

PT-WG24BL10

PT-WG30BL10

PT-WGTBS8BL

PT-WGTBS12BL

PT-WGTBS18BL

PT-WGTBS24BL

PT-WGTBS30BL

PT-WGWMTB08BL

WYR-GRID[®] OVERHEAD ROUTING SYSTEM

The overhead cable tray routing system consists of pathway sections, splice connectors, sidewalls, waterfalls, mounting brackets and accessories designed to route and manage copper, fibre optic or power cables. The pathway sections come in five widths: 8" (203mm), 12" (305mm), 18" (457mm), 24" (610mm) and 30" (762mm). Optional snap-on sidewalls include 2" (50mm), 4" (102mm), and 6" (152mm) heights that can be hand installed at any location along pathway sections. Sidewall waterfalls and intersection bend radius parts provide 3" (76mm) bend radius protection. Trapeze, cantilever, and wall mount brackets are provided to support the system. Components are painted black or electro zinc plated.



Wyr-Grid® Overhead Cable Tray Routing System



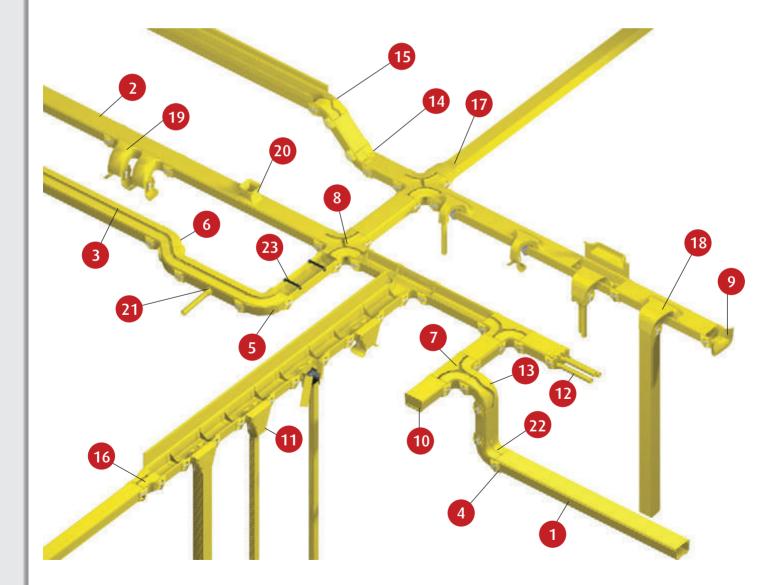
FIBERRUNNER™ ROUTING SYSTEMS

Panduit[™] provides innovative solutions for routing fibre optic and high performance copper cabling to and between equipment racks within a data centre, telecommunications room or service provider facility. Routing products such as the FiberRunner[™] routing system are critical factors in your ability to quickly install, easily implement moves, add changes and maintain the integrity of your fibre and copper cabling plant in order to maximise long-term performance.

The FiberRunner[™] 12x4, 6x4, 4x4 and 2x2 Routing Systems are comprised of channel, couplers, fittings and brackets, designed to segregate, route, and protect fibre optic and high performance copper cabling



- Robust, large capacity 12x4 and 6x4 systems to handle large cable counts; 4x4 and 2x2 systems for use with smaller cable counts
- Hinged channel cover and split fitting covers protect cabling and provide easy access for future cabling revisions and additions
- Fittings provide minimum 2" (50.8mm) bend radius to protect against signal loss due to excessive cable bends
- Multiple spillout options provide versatility to make transitions to various equipment and rack configurations
- ➤ Compatible with Panduit[™] Fiber-Duct[™] 4x4 and 2x2 Routing Systems, cable management, and racks



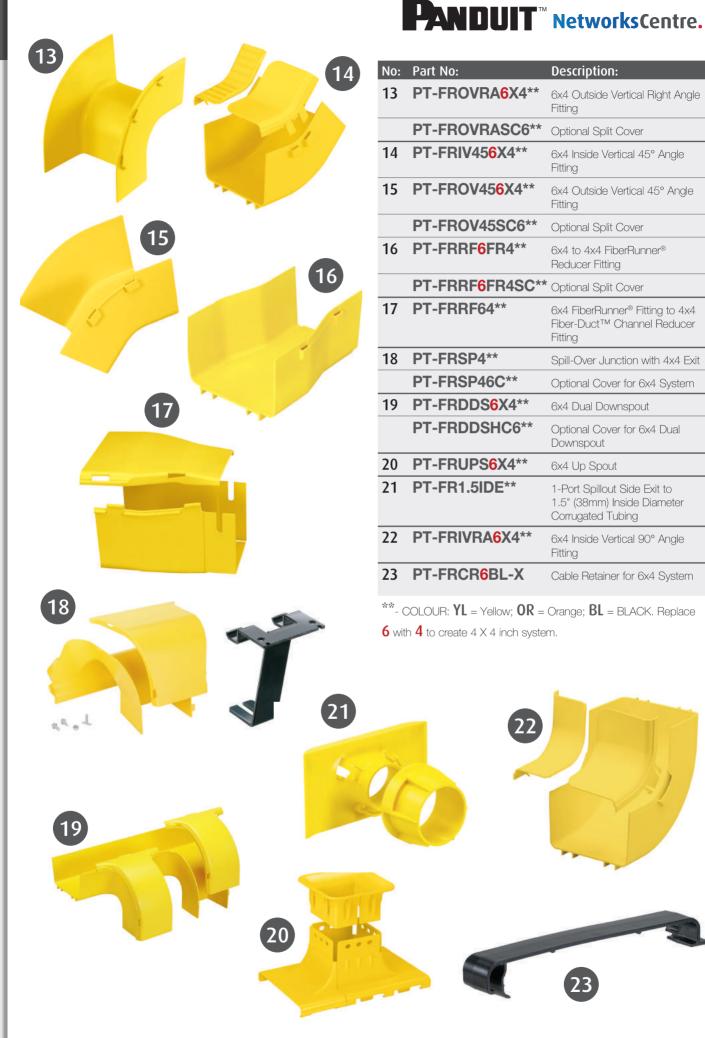
PANDUIT[™] NetworksCentre.

No:	Part No:	Description:
1	PT-FR6X4**2	6x4 FibreRunner1® Channel 2m
2	PT-FRHC6**2	6x4 Snap-On Hinged Cover 2m
3	PT-FRSHC6**2	6x4 Split Hinged Cover 2m
4	PT-FRBC6X4**	6x4 QuikLock™ Coupler
5	PT-FRRA6X4**	6x4 Horizontal Right Angle Fitting
	PT-FRRASC6**	Optional Split Cover
6	PT-FRH456X4**	6x4 Horizontal 45° Angle Fitting
	PT-FRH45SC6**	Optional Split Cover
7	PT-FRT6X4**	6x4 Horizontal Tee Fitting
	PT-FRTSC6**	Optional Split Cover
8	PT-FRFWC6X4**	6x4 4-Way Cross Fitting
	PT-FRFWCSC6**	Optional Split Cover
9	PT-FRTR <mark>6</mark> X4**	3-Sided BRC Trumpet Spillout for 6x4 Exit
10	PT-FREC6X4**	6x4 End Cap Fitting
11	PT-FRVT6X4**	6x4 QuikLock™ Vertical Tee
12	PT-FRIDT6X4**	3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing



1

2



INDUSTRIAL AUTOMATION



SYNAPSENSE® - WIRELESS ENVIRONMENTAL MONITORING SYSTEM

A low-cost, easy-to-deploy solution to gather, communicate and visualize environmental data within the facility for improved reliability, product quality and energy optimization. Robust wireless mesh sensing technology delivers granular temperature, humidity and differential air pressure data to the IoT application at a fraction of the

time and cost of wired solutions. The software package includes tools to visualise, analyse and alarm from multiple devices, easing deployment and allowing immediate use of collected data. Complete kits with detailed instructions are available to further speed learning and deployment.



► INTRAVUE[™] - INDUSTRIAL NETWORKS VISUALISATION & ANALYTICS



Ethernet networks are the critical link between the manufacturing and automation systems and the business systems. With so many connected devices to manage, detection, diagnosis and problem resolution have become a costly and time-consuming task.

IntraVUE™ Industrial Network Visualisation and Analytics addresses the challenges unique to industrial environments:

- Leverages real-time visualisation and monitoring > across ethernet endpoints
- Collects and documents essential data >
- Monitors and data capture at-a-glance >
- Diagnoses network problems from any location >
- Network documentation and deployment >
- Accelerates troubleshooting with advanced analytics

Armed with these capabilities, IntraVUE™ empowers control professionals to shift to a pro-active approach, which can greatly improve both the uptime and performance of critical, real-time networks.



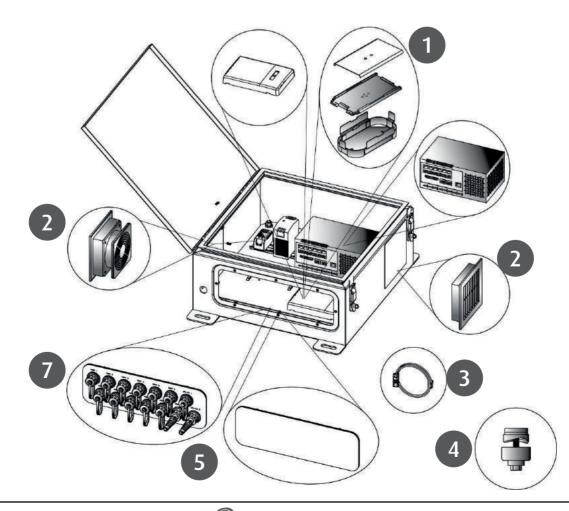


▶ INDUSTRIALNET[™] ETHERNET ENCLOSURE

The IndustrialNet [™] ethernet enclosure is designed to protect Industrial Ethernet hardened switches in harsh environments. The enclosure is ideally suited for work zone cells where the switch is integrated into the automation equipment. The enclosure allows for long runs (in the architecture) to be accommodated by fibre. It can also be used in the integration of building automation systems into the LAN. With IP ratings of IP66 or IP54, the enclosure provides reliability and high performance, as an integral component to the end-to-end solution for Industrial Networks. A wide range of complementary accessories are available to complete your industrial network design.



No:	Part No:	Description:
1	PT-IAEFKSP	Industrial Ethernet fibre uplink splice kit
2	PT-IAEFK54	Industrial Ethernet fan/filter kit. 24 VDC powered. Includes DIN rail mount thermostat.
3	PT-IAEPCBH	Bulkhead Assembly
4	PT-IAEKO30	Knockout tool
5	PT-IAEBGP	Enclosure Blank Gland Plate
6	PT-IAECGP	Industrial Ethernet connector gland plate. Fully populated with 14 bulkhead fittings, 14 internal enclosure patch leads (IUEJGY) for 12 downlink ports, and 2 copper uplink ports.



PANDUIT[™] NetworksCentre.

▶ INDUSTRIALNET[™] M12 D-CODE PLUG

The IndustrialNet[™] M12 D-CODE plug has an ingress protection rating of IP20 and an extended temperature range. The plug can be easily field attachable without special tools.

- 8 position industrial plug suitable for manufacturing purposes
- > Meets or exceeds ANSI/TIA-568-C.2 standards
- ► Up to 100 metres at swept frequencies
- Up to 500 metres when installed with other Panduit Cat6A components
- > RJ45 plug constructed from zinc die cast housing



PartNo: Des	scription:
PT- ISPS6A88MFA	4-Position, IndustrialNet™ M12 D-Code Plug, for use with stranded 26/7 - 22/7 AWG Cat5e, UTP Copper Cable

▶ INDUSTRIALNET[™] M12 D-CODE TO RJ45 PANEL MOUNT ADAPTER



The IndustrialNet[™]M12 D-CODE industrial adapters shall be applicable for use in manufacturing as well as other industrial environments.

- > Meets or exceeds ANSI/TIA-568-C.2 standards
- > Adapter housing made of Nylon GF
- Ingress protection rating of IP20 when RJ45 side + IP68 on M12 side when mated
- Easily field installable without the need for special tools

Part No:	Description:
PT-ICAM12DRJS	Cat5e, M12 D-code to RJ45 Industrial Adapter,
	Panel Mount.

► MINI-COM[®] DIN RAIL MOUNT ADAPTER



Mini-Com[®] DIN rail mount adapter is a single port adapter that mounts onto a 35mm DIN rail. Adapter includes a label pocket, label and label cover. Mini-Com[®] DIN rail mount accept any single module space Mini-Com[®] module.

Part No:	Description:

PT-CADIN1IG Mini-Com® DIN Rail Mount Adapter

► INDUSTRIALNET[™] RI45 PLUG



Part No:	Description:
PT-ISPS688FAS	8-Position, IndustrialNet™ RJ45 Plug, Field Terminable Cat6A STP or UTP. For cables with 0.85- 1.0mm (0.033-0.039 in.) insulation diameter
PT-ISPS688FA	8-Position, IndustrialNet™ RJ45 Plug, Field Terminable Cat6A, UTP and STP copper cable. For use with for cables with 1.0 -1.6mm (0.039-0.063 in.) insulation diameter

The 8-position, industrial plug is applicable for use in manufacturing as well as other industrial environments. The product meets or exceeds the component requirements of the ANSI/TIA-568-C.2 Cat6 and Cat5e, ISO 11801 Class E and Class D, and ODVA Ethernet/IP standards. It also meets the channel requirements of ANSI/ TIA-568-C.2 Cat6A and ISO 11801 2nd Edition Class EA in a 4-connector configuration up to 100 meters at swept frequencies up to 500MHz when installed with other Panduit Cat6A components. The RJ45 plug is constructed of zinc die cast housing with 360° shielding and includes a dust cap.

The plug incorporates an ingress protection rating of IP20 and offer an extended temperature range as required for more demanding applications. The plug can be easily terminated without any special tools and is capable of termination to either a 2-pair or 4-pair solid or stranded twisted pair copper cable.

▶ INDUSTRIALNET[™] 8-PORT FIBRE OPTIC & COPPER ENCLOSURE

These 8-port DIN rail mount fibre and copper patching solution are made of high impact polycarbonate material and mount to a standard 35mm DIN rail. The product has a removable faceplate that includes four label pockets, labels and covers for port identification.

The latch design allows the product to mount on a flat surface for vertical bulkhead mounting. The fibre solution provides enclosed fibre protection for terminated distribution style cabling and include a PG21 cable cord grip to secure fibre cable(s) exiting the enclosure. The 8-port DIN rail mount patching solution accepts any Mini-Com® Module that occupies a single space.

Part No:	Description:
PT-FDME8RG	IndustrialNet™ 8-port DIN Rail Fibre Optic Enclosure
PT-CDPP8RG	IndustrialNet [™] 8-port DIN Rail Mount Copper Patch Panel

► 4U INDUSTRIAL AUTOMATION BRACKET

4RU Industrial automation bracket for standard FIA 19" wide rack or cabinet, with hardware. Facilitates DIN rail mountable equipment.

Part No:

PT-IABDIN4

Description:

4U Industrial Automation Bracket for Standard EIA 19" Wide Rack or Cabinet with Hardware. Facilitates DIN Rail Mountable Equipment





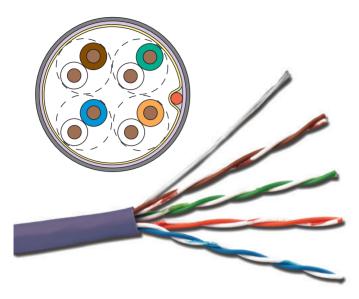
Can't find what you're looking for? Then contact us...



► Cat5e	104
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Cable Management	114
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CAT5E

► CAT5E PREMIUM 5E[®] UTP 4-PAIR CABLE



Compliance:

- ► ISO/IEC 11801: Ed. 2.2 (Class D)
- ▶ IEC 61156-6-5 Ed. 2.0 (Cat5e)
- ► IEEE 802.3
- ► TIA-568-C.2 (Cat5e)
- > LSZH: IEC 60332-1, IEC 60754, AND IEC 61034
- > EN50575: 2014 Euroclass E_{ca}

Cable Construction:

- ► UTP
- ► Nominal jacket OD: 5mm
- ► 0.5mm solid (non-tinned) copper
- 1.0mm max conductor insulation diameter

Part No:	Description:
SM-9C5L4-E2	LSZH (IEC 60332-1), Violet Jacket, 305m Reelex, Euroclass Eca

Other cable lengths also available: Add "-5CR" for 500m Reel, "-1KR" for 1000m Reel

► CAT5E MAX[®] 5E UTP OUTLETS



MAX 5e Outlets exceed Cat5e performance with component and channel performance to 160 MHz. These outlets offer all the functional advantages of MAX 6 modules in a variety of colour options. All outlets utilise our S310 punch-down block — making termination quick and easy. The Siemon palm guard is recommended when terminating all MAX jacks.

*Doors are not available on MX5-Fxx & MX5-Kxx

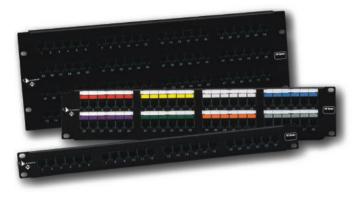
HOW TO CREATE OUR UTP OUTLET PART NUMBERS



SIEMON > Cat5e

Can't find what you're looking for? Then contact us...





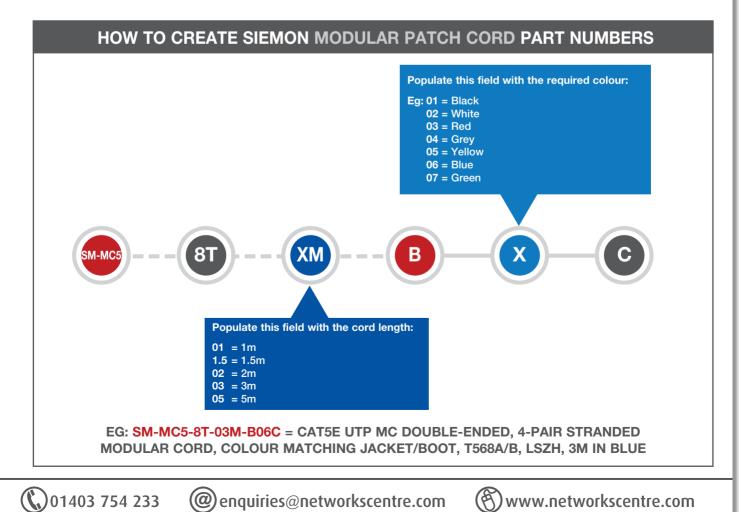
Siemon's HD 5e series patch panels offer the most robust patching solution in the industry. HD 5e panels feature universal T568A/B wiring and exceed Cat5e requirements with component and channel performance to 160 MHz. Compliant pin technology enables the use of multi-pair S110[®] punch-down tools to reduce termination time. Panels include rear cable manager, icon/label holders, designation labels, cable ties, and mounting hardware.

Part No:	Description:
SM-HD5-16	16 Port Cat5e UTP HD Patch Panel, T568A/B, 1U
SM-HD5-24	24 Port Cat5e UTP HD Patch Panel, T568A/B, 1U
SM-HD5-32	32 Port Cat5e UTP HD Patch Panel, T568A/B, 2U
SM-HD5-48	48 Port Cat5e UTP HD Patch Panel, T568A/B, 2U
SM-HD5-96	96 Port Cat5e UTP HD Patch Panel, T568A/B, 4U

CAT5E MC[®]5E UTP MODULAR PATCH LEADS



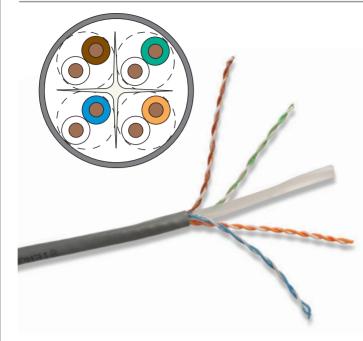
Siemon uses the highest quality components combined with stringent manufacturing processes to produce durable modular patch leads. The end result is a cord that exceeds all ISO/IEC and TIA/IEA component specifications for transmission performance.



CAT6



► CAT6 SOLUTION 6TM UTP CABLE



Compliance:

- ► ISO/IEC 11801 Ed. 2.2 (Class E)
- ► IEC 61156-5:2002 (Cat6)
- ➤ TIA-568-C.2 (Cat6)
- > LSZH, IEC 60332-1, IEC 60332-3-22 (SM-9C6B24-E2)
- ▶ IEC 60754, and IEC 61034
- EN50399: 2014 Euroclass Eca (SM-9C6L4-E2) / B2ca (SM-9C6B24-E2)

Cable Construction:

- ► UTP
- ► Nominal jacket OD: 5.6mm (Eca)/6.1mm (B2ca)
- ► Solid (non-tinned) copper
- > 1.0mm max conductor insulation diameter

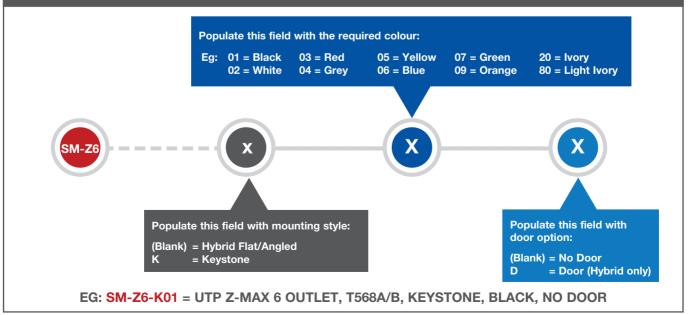
Part No:	Description:
SM-9C6L4-E2	LSZH, Violet Jacket, 305m Reel-in- Box, Euroclass Eca
SM-9C6B24-E2	LSZH, Violet Jacket, 305m Reel-in- Box, Euroclass B2ca
Other cable lengths also available: Add "-5CR" for 500m Reel, "-1KR" for 1000m Reel	

► CAT6 Z-MAX[®] 6 UTP OUTLETS



The Cat6 UTP Z-MAX® Outlet offers best-in-class performance exceeding all Cat6 performance requirements. Its innovative features not only accelerate and simplify termination, but remove installation variability for consistently high and repeatable performance - every termination, every time! This consistency eliminates troubleshooting time due to marginal passes during field testing.

HOW TO CREATE SIEMON UTP OUTLET PART NUMBERS



Can't find what you're looking for? Then contact us...



CAT6 MAX 6 UTP OUTLETS

Part of Siemon's Cat6 UTP end-to-end cabling solution, the MAX 6 outlet exceeds Cat6 connecting hardware performance specifications. It's compact design is ideal for high density applications. Up to six outlets can be utilised in a single gang faceplate and twelve outlets in a double gang faceplate. Additionally, the angled MAX outlet provides a gravity feed, low-profile design for the work area - greatly improving cable management in installations where front or rear clearance is at a minimum. ***Doors are not available on MX6-Fxx & MX6-Kxx**

HOW TO CREATE SIEMON CAT 6 UTP OUTLET PART NUMBERS



Angled MAX Outlet, T568A/B, rear strain relief cap and protective colour-matching rubber door





Flat MAX Outlet, T568A/B, Rear Strain Relief Cap





Keystone MAX Outlet, T568A/B, Rear Strain Relief Cap



USE XX TO SPECIFY COLOUR: 01 = BLACK, 02 = WHITE, 03 = RED, 04 = GREY, 05 = YELLOW, 06 = BLUE, 07 = GREEN, 09 = ORANGE, 20 = IVORY, 25 = BRIGHT WHITE, 80 = LIGHT IVORY

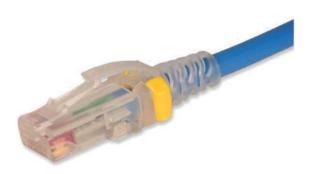
► CAT6 MC[®] UTP MODULAR PATCH LEADS



Siemon's Cat6 series of modular leads are key components to ensure optimum channel performance of Cat6 UTP systems. A variety of product enhancements contribute to the cord's superior performance — including 250 MHz rated stranded cordage, a patented crosspair isolator and an innovative 360° crimp, which provides excellent plug-to-cable strain relief without causing pair deformation.

> SKINNYPATCH CAT6 UTP MODULAR PATCH LEADS

SkinnyPatch 6 modular leads deliver Cat6 performance with a reduced cable diameter, providing increased flexibility in high density patching areas. The smaller 28AWG diameter stranded copper cable construction offers a significantly tighter bend radius for easier



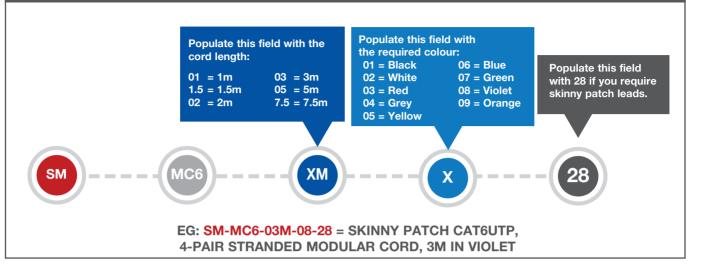
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cable routing and enhanced cable management, providing pathway space savings in racks and cabinets. Confirmed by an independent third party test lab, SkinnyPatch 6 Modular Leads exceed ANSI/TIA-568-C.2 and ISO/IEC 11801 Edition 2.2 performance standards.

- ➤ Integral latch guard protects plug from snagging when pulling through pathways or cable managers
- > Clear boots and optional colour clips enable a single cord part number to be custom colour coded
- ➤ Features a nominal OD of 4.0 mm for improved airflow and flexibility in high-density applications
- > Jacket meets flame resistance requirements for LSZH
- > Ultra slim boot further facilitates high-density patching
- ► Exceptional Cat6 NEXT performance



HOW TO CREATE SIEMON UTP MODULAR LEADS PART NUMBERS



► CAT6 Z-MAX[®] 6 UTP PATCH PANELS

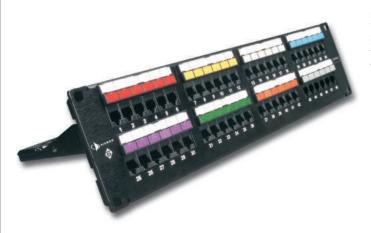


Z-MAX[®] patch panels provide outstanding performance and aesthetics in a high density, modular UTP solution. The Z-MAX[®] UTP panels provide rapid and reliable installation by accelerating module mounting and cable tiedown operations.

In addition to traditional 24-port 1U flat and angled versions, the Z-MAX $^{\circ}$ UTP panels are also available in 48-port 1U configurations for ultra high density installations.

Part No:	Description:
SM-Z6-PNLX-24K	Z-MAX [®] 24-Port, CAT 6 UTP Patch Panel, Kit, 1 RMS, Black, with Jacks
SM-Z6-PNL <mark>X</mark> -U48K	Z-MAX [®] 48-Port, CAT 6 UTP Patch Panel Kit, 1 RMS, Black, with Jacks
SM-Z-PNLX-24E	Z-MAX [®] 24-Port UTP Patch Panel, 1RMS, Black, Empty
SM-PNLA-CVR-01	Angled Panel Cover, Black

CAT6 HD® 6 UTP PATCH PANELS



Siemon's HD 6 patch panel was the industry's first patch panel to exceed Cat6 connecting hardware specifications for all pair combinations up to 250 MHz. Get superior performance and user friendly termination, labelling, and cable management features with Siemon's popular Cat6patch panel.

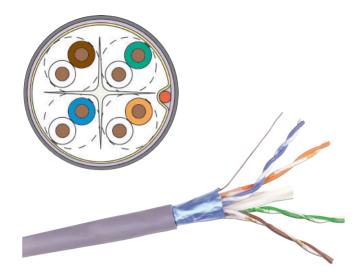
Part No:	Description:
SM-HD6-16	16-port Cat6UTP HD Patch Panel, 1U
SM-HD6-24A	24-port Cat6UTP Angled HD Patch Panel, 1U
SM-HD6-24	24-port Cat6UTP HD Patch Panel, 1U
SM-HD6-48	48-port Cat6UTP HD Patch Panel, 2U
SM-HD6-96	96-port Cat6UTP HD Patch Panel, 4U



CAT6A



► CAT6A 4-PAIR CABLE



Compliance:

- ► ISO/IEC 11801 (Class E₄)
- ► IEC 6156-5 (Category 6Å)
- ► ANSI/TIA-568-C.2 (Cat6A)
- ► IEC 60332-1 (SM-9A6L4-A4)/IEC 60332-3-25 (SM-9N6J4-A5)
- ► IEC 60322-3-22 (SM-9A6L4-A5), IEC 60332-3-25 (SM-9N6J4-A5), IEC 60574, IEC 61034
- ➤ EN 50399 Euroclass D_{ca}-s2-d2-a1 (SM-9A6L4-A5) & Cca-s1a-d2-a1 (SM-9N6J4-A5)

Cable Construction:

- ► F/UTP (SM-9A6L4-A5), F/FTP (SM-9N6J4-A5)
- > Nominal jacket OD: 6.8mm (SM-9A6L4-A5)/7.2mm (SM-9N6J4-A5)
- > 23 AWG 0.57mm solid (non-tinned) copper
- Central isolation member
- Shield is an aluminum foil tape enclosing a 0.51mm (24 AWG) tinned copper drain wire

Part No:	Description:
SM-9A6L4-A5	Cat6A 4-pair F/UTP, Violet Jacket, 305m Reel, Euroclass Dca
SM-9N6J4-A5	Category 6A 4-pair F/FTP, Violet Jacket, 305m Reel, Euroclass Cca

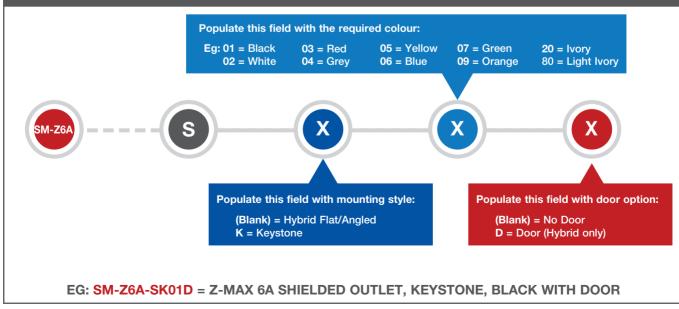
► CAT6A Z-MAX[®] 6A SHIELDED OUTLETS



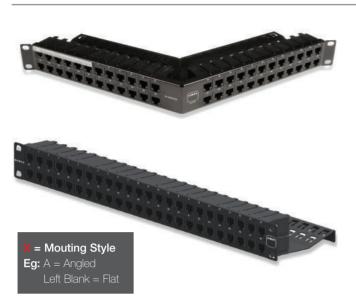
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The shielded Z-MAX[®] outlet offers best-in-class performance in every critical specification, exceeding all Cat6A performance requirements, including alien crosstalk. Its innovative features not only speed and simplify termination, but remove installation variability for consistently high and repeatable performance. To terminate Z-MAX[®] modules you must use the Z-TOOLTM.

HOW TO CREATE SIEMON Z-MAX® 6A SHIELDED OUTLET PART NUMBERS



Z-MAX® CAT6A SHIELDED PATCH PANELS



Z-MAX[®] Patch Panels provide outstanding performance and aesthetics in a shielded, high-density modular solution. The Z-MAX[®] panels provide rapid and reliable installation by accelerating outlet mounting, grounding, and cable tie-down operations.

IEMON[®] NetworksCentre.

In addition to traditional 24 port / 1U flat and angled versions, the Z-MAX[®] shielded panels are also available in 48 port / 1U configurations to permit high density installations.

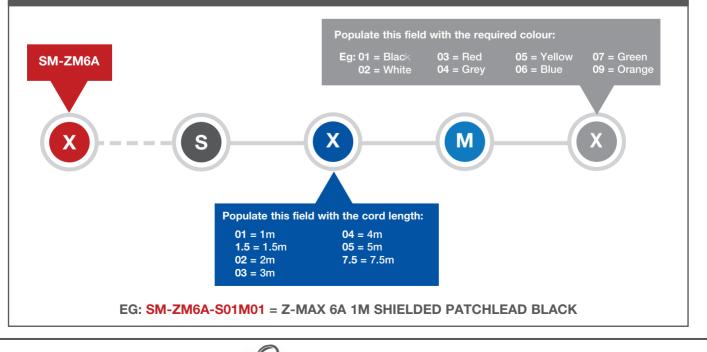
Part No:	Description:
SM-Z6AS-PNLX-24K	Z-MAX [®] 24-Port, Cat6A Shielded Patch Panel Kit, 1 RMS, Black, with Jacks
SM-Z6AS-PNL <mark>X</mark> -U48K	Z-MAX [®] 48-Port, Cat6A Shielded Patch Panel Kit, 1 RMS, Black, with Jacks
SM-ZS-PNLX-24E	Z-MAX [®] 24-Port Shielded Patch Panel, 1RMS, Black, Empty*
SM-ZS-PNLX-U48E	Z-MAX [®] 48-Port Shielded Patch Panel, 1RMS, Black, Empty*

Z-MAX® CAT6A SHIELDED MODULAR LEADS* These panels can only accept Z6A-SPB type jacks



Combining the unparalleled performance of an exclusive PCB-based plug, noise-resistant shielded construction and a host of innovative user friendly features, the shielded Z-MAX® 6A Modular Leads are the ultimate Cat6A cord. All leads are 100% factory-tested to ensure performance and compliance.

HOW TO CREATE SIEMON Z-MAX® 6A SHIELDED MODULAR CORD PART NUMBERS



CAT7A

►CAT7A CABLE

Compliance:

- ► IEC 61156-5 Ed 2.0 (Cat7A)
- ► ISO/IEC 11801: Ed 2.2
- ► EN 50288
- ► EN55022
- ► EN 50173
- ► EN55024
- ► IEEE 802.3an
- ► LSZH: IEC 60332-1, IEC 60754, and IEC 61034
- ► IEC50575:2014 Euroclass Dca-s2-d1 and B2ca-s1a-d0-a1

Part No: Description:

SM-9T7L4-E10 Cat7A, 4 Pair, S/FTP Violet Copper cable on 305m reel, Euroclass Dca

SM-9T7L4-E6 Cat7A, 4 Pair, S/FTP Violet Copper cable on 305m reel, Euroclass Bc2a

► TERA[®] PLUG & 4-PAIR OUTLET

The Siemon TERA® outlet was invented by Siemon in 1999 and subsequently chosen as an industry standard interface for Cat7/Class F and Cat7A/ Class FA. When installed as part of a TERA solution, each pair delivers 1.2 GHz of bandwidth — exceeding Cat7A/ Class FA specifications. This extra bandwidth supports demanding applications like 10GBASE-T and broadband video.





TERA-MAX[®] PATCH PANELS

()01403 754 233





SIEMON[®] NetworksCentre.

Construction:

- ► S/FTP
- > Sequential measurement markings on jacket
- > Pairs individually shielded with aluminum-polyester foil
- ► Overall tinned-copper braid
- ➤ Jacket Material: LSZH
- Nominal Cable O.D: 7.7mm (SM-9T7L4-E10)/7.1mm (SM-9T7L4-E6)
- > 0.57mm (0.022 in.) 23 AWG solid bare copper



Part No:	Description:
SM-T7P4-B(4-Pair TERA® Plug with Coloured Boot, Compatible with 0.64 - 055mm (22 - 23 AWG) solid S/FTP Cable
Use XX to specif	/ boot colour: 01=Black, 02 = White, 03 = Bed, 05

Use XX to specify boot colour: 01=Black, 02 = White, 03 = Red, 05 = Yellow, 06 = Blue & 07 = Green

Part No:	Description:
SM-T7F-01-1	TERA® 4 Pair Outlet with Black Door, Latch and Boot. Compatible with 0.64-0.55mm (22-23 AWG) solid S/FTP and F/FTP cable

TERA-MAX[®] 19" Patch Panels provide outstanding performance and reliability in a shielded, high-density modular solution. As outlets are snapped into place, resilient ground tabs assure that each outlet is properly grounded. No secondary outlet grounding operations are required, reducing overall installation time.

Note: These panels can also accept Z-MAX® type jacks

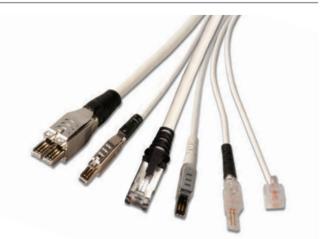
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Part No:	Description:
SM-TM-PNLZ-24-01	24 Port TERA-MAX [®] Panel, Black, 1U
SM-TM-PNLZ-24	24 Port TERA-MAX [®] Panel, Metallic, 1U
SM-TM-PNLZA-24-01	24 Port Angled TERA-MAX® Panel, Black, 1U
SM-TM-PNLZA-24	24 Port Angled TERA-MAX [®] Panel, Metallic, 1U
SM-PNLA-CVR-01	Angled Panel Cover, Black

TOOLS

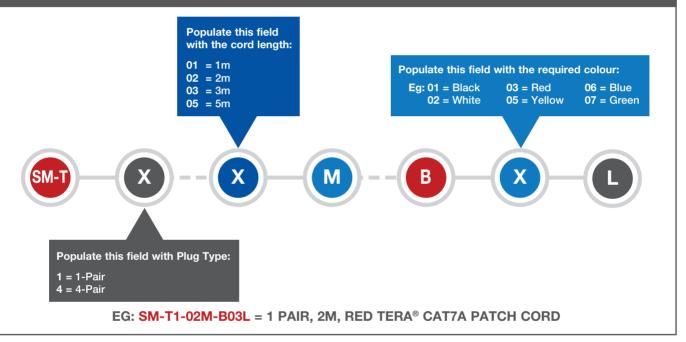


TERA® – PATCH LEADS

Part of the TERA® cabling solution, TERA-to-TERA Patch Leads exceed bandwidth of Cat7A/ Class FA specifications when combined with the TERA® outlet. TERA® delivers up to 1.2 GHz of bandwidth per pair, providing the extra bandwidth for demanding applications like 10GBASE-T and Broadband Video. Facilitated by 1 and 2 pair patch leads, TERA's extended performance also supports cable sharing the simultaneous convergence of video, voice and data onto a single 4-pair cable and outlet.



HOW TO CREATE SIEMON TERA® PATCH CORD PART NUMBERS



► MAX[®] TURBO TOOL



Siemon's MAX® TurboTool significantly reduces the time associated with the termination of Cat5e & Cat6 UTP MAX® outlets. Unlike a single action punchdown tool the MAX® TurboTool seats and cuts all 8 wires with a single action.

Part No:	Description:
SM-MAX-TT	MAX® TurboTool
SM-MAX-TTREP	Replacement MAX® TurboTool cartridge kit including die, hardware and Allen wrench





► PALM GUARD



Ergonomically designed to provide a safe and convenient means of terminating Siemon's flat or angled CT couplers and MAX® modules.

Part No:	Description:
SM-PG	Palm Guard with MAX insert
SM-PG-MX6	MAX insert

► ALLPREP CABLE PREPARATION TOOL

The AllPrep cable preparation tool provides a robust and reliable method of preparing both coaxial and twisted-pair cable for termination. The tool features two colour coded interchangeable dies for each media type. The twisted pair die strips a wide variety of UTP, shielded and fibre cable. The coaxial die strips RG59 and RG6 cable.

The TERA version of the tool is specifically designed to accurately strip the jacket and foil from a fully shielded cable without damaging the conductors.

Part No:	Description:
SM-CPT-RGTP	AllPrep Cable Preparation tool for Coax and twisted pair cable
SM-CPT-DIE-RG	Replacement coax die (black)
SM-CPT-DIE-TP	Replacement twisted-pair die (yellow)
SM-CPT-DIE-6A	Green die
SM-CPT-DIE-XX	White die
SM-CPT-DIE-EZ	Blue die



TERA[®] VERSION

Part No:	Description:
SM-CPT-T	TERA preparation tool. Includes CPT- DIE-T4 and cable preparation template
SM-CPT-DIE-T4	Replacement TERA cable die (red)
SM-CPT-DIE-TP	Replacement twisted-pair die (yellow)
SM-CPT-DIE-TMPL	Replacement TERA wiring guide (red)

► Z-TOOL[™]

The Z-TOOL[™] is an integral part of the exclusive Z-MAX[®] termination process and is used with both UTP and shielded Z-MAX[®] modules. This easy to use and ergonomically designed tool is used to both secure the cable retention/grounding clip and to fully engage the termination module to the back of the outlet.

Part No:	Description:
SM-Z-TOOL	Z-MAX® Termination Tool



CABLE MANAGEMENT



▶ WM SERIES HORIZONTAL CABLE MANAGERS



WM-145-5

S143

CABLE HANGERS

The WM Series Cable Managers provide increased strength and do not interfere with panels mounted above or below. They are a popular and economical solution for providing a clean and simple means of organising small to large bundles of cables and patch leads.

Part No:	Description:
SM-WM-143-5	Horizontal Cable Manager with 5 S143 hangers 1U
SM-WM-144-5	Horizontal Cable Manager with 5 S144 hangers, 2U
SM-WM-145-5	Horizontal Cable Manager with 5 S145 hangers, 2U

Note: 1U = 44.5mm

The Cable Hanger Design features structural integrity and sleek appearance. These cable hangers are ideal for routing small to very large quantities of cables. The durable plastic design ensures reliability for any application.

Part No:	Height:	Width:	Depth:
SM-S143*	44mm	38mm	89mm
SM-S144*	87mm	57mm	74mm
SM-S145*	87mm	57mm	125mm
SM-S146	151mm	63mm	130mm
SM-S147	254mm	63mm	130mm

*Add "-A" for optional adhesive backing

► MAX[®] BRITISH FACEPLATES

S146

S144

S147

S145



 $\rm MAX^{\circledast}$ British faceplates are compatible with British standards (85mm x 85mm). The faceplate is designed to accept up to six Z-MAX^{e}, MAX or TERA^{e} outlets.

Part No:	Description:
SM-MX-BFP-S-01-02	1 Port Single Gang Faceplate for a Z-MAX®, MAX or TERA Outlet, White
SM-MX-BFP-S-02-02*	2 Port Single Gang Faceplate for Z-MAX®, MAX or TERA Outlets, White
SM-MX-BFP-S-03-02*	3 Port Single Gang Faceplate for Z-MAX®, MAX or TERA Outlets, White
SM-MX-BFP-S-04-02*	4 Port Single Gang Faceplate for Z-MAX®, MAX or TERA outlets, White
SM-MX-BFP-S-06-02*	6-port Single Gang Faceplate for Z-MAX®, MAX or TERA Outlets, White

Faceplates include designation labels, clear label cover(s), and M3.5x 0.6x25 mounting screws

*Not compatible with shielded MAX outlets

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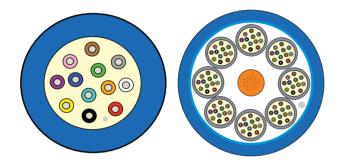


FIBRE CABLE

An extensive range of Siemon Fibre Optic cables, providing ideal connectivity options for data centres, campuses and building backbones. Siemon fibre optic cables are offered in XGLO and Light System configurations, supporting high-speed applications such as Gigabit Ethernet, Gigabit ATM and Fibre Channel. Siemon provide an all-in-one solution for data connectivity in line with and above industry standards. Each cable contains high-grade materials which provide protection against moisture. Take advantage of 10 Gigabit speeds with an end-to-end Siemon system.

For more information on Siemon Fibre Optic solutions, please call our expert sales team today on 01403 754 233 or email enquiries@networkscentre.com

XGLO® & LIGHTSYSTEM® INDOOR/OUTDOOR TIGHT BUFFER



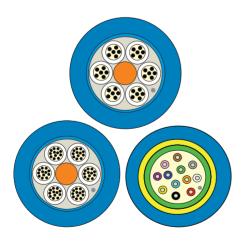
Use 1^{st} to specify fibre type: $5 = 50/125\mu m$ $6 = 62.5/125\mu m$ 8 = Singlemode Use XXXX to specify class performance: G106 = OM1 62.5µm T106 = OM2 50µm T306 = OM3 50µm Laser Optimised T506 = OM4 50µm Laser Optimised E206 = OS1/OS2 Singlemode

M = metres

Siemon LSZH-FR Euroclass $C_{ca}s_{1a}$, d_1 , a_1 Indoor/Outdoor Tight Buffer Cables are ideal for data centres, campus and building backbones. Siemon fibre optic cables are offered in XGLO and LightSystem configurations supporting highspeed applications such as Gigabit Ethemet, 10 Gigabit Ethemet, Gigabit ATM and Fibre Channel

Part No:	Fibre Count:	Description:
SM-9GD(X)C002B-(XXX	X)M 2	1 tube of 2 fibres
SM-9GD(X)C004C-(XXX	X)M 4	1 tube of 4 fibres
SM-9GD(X)C006D-(XXX	X)M 6	1 tube of 6 fibres
SM-9GD(X)C008E-(XXX	X)M 8	1 tube of 8 fibres
SM-9GD(X)C012G-(XXX	X)M 12	1 tube of 12 fibres
SM-9GD(X)C016K-(XXX	X)M 16	1 tube of 16 fibres
SM-9GD(X)C024L-(XXX	X)M 24	1 tube of 24 fibres

▶ XGLO[®] & LIGHTSYSTEM INTERNAL/EXTERNAL LOOSE TUBE



Use 1st X to specify fibre type: $5 = 50/125\mu m$ $6 = 62.5/125\mu m$ 8 = Singlemode Use XXXX to specify class performance: G106 = OM1 62.5µm T106 = OM2 50µm T306 = OM3 50µm Laser Optimised T506 = OM4 50µm Laser Optimised E206 = OS1/OS2 Singlemode M = metres Siemon LSZH (IEC 60332-1) Euroclass D_{ca} Indoor/Outdoor Loose Tube Cables are ideal for campus and building backbones. Siemon fibre optic cables are offered in XGLO and LightSystem configurations supporting

high-speed, applications such as Gigabit Ethernet, 10 Gigabit Ethernet, Gigabit ATM and Fibre Channel.

Part No:	Fibre	Count:	Description:
SM-9GG(X)D002B-(XXX	X)M	2	1 tube of 2 fibres
SM-9GG(X)D004C-(XXX	X) M	4	1 tube of 4 fibres
SM-9GG(X)D006D-(XXX	X) M	6	1 tube of 6 fibres
SM-9GG(X)D008E-(XXX	X)M	8	1 tube of 8 fibres
SM-9GG(X)D012G-(XXX	X)M	12	1 tube of 12 fibres
SM-9GG(X)D016D-(XXX	X) M	16	2 tubes of 6 fibres 1 tube of 4 fibres
SM-9GG(X)D024D-(XXX	X) M	24	4 tubes of 6 fibres
SM-9GG(X)D036G-(XXX	X)M	36	6 tubes of 6 fibres
SM-9GG(X)D048G-(XXX	X)M	48	4 tubes of 12 fibres
SM-9GG(X)D072G-(XXX	X)M	72	6 tubes of 12 fibres
SM-9GG(X)D096G-(XXX	X)M	96	8 tubes of 12 fibres
SM-9GG(X)D144G-(XXX	X)M	144	12 tubes of 12 fibres

PATCH LEADS & PIGTAILS



LC BLADEPATCH®

Siemon's LC BladePatch duplex jumper offers a unique solution for high-density fibre optic patching environments. It features a revolutionary and innovative push-pull boot design to control the latch, enabling easy access and removal in tight-fitting areas. The LC BladePatch utilises a smaller diameter unitube cable design which reduces cable pathway congestion improving air flow and increasing energy efficiency while simplifying overall cable management.

The LC BladePatch provides low-loss performance for multimode and singlemode supporting the precise optical performance requirements for high speed networks and improving network performance. The LC BladePatch is ideal for patching high density blade servers, patch panels and equipment.

Part No:	Description:
SM-FBP-LCLC5L-(XX)AH	XGLO 300, 50/125µm Multimode, OM3 LSZH
SM-FBP-LCLC5V-(XX)AH	XGLO 550, 50/125µm Multimode, OM4 LSZH
SM-FBP-LCULCUL-(XX)H	XGLO Singlemode, OS1/ OS2 (UPC) LSZH

► XGLO[®] JUMPER & PIGTAILS



XGLO Singlemode OS1/OS2 Duplex Jumpers

Part No:	Description:
SM-FJ2-LCULLCULL-(XX)H	LC to LC OS2 Yellow cable & Blue connectivity Jumper
SM-FJ2-SCULSCULL-(XX)H	SC to SC OS2 Yellow cable & Blue connectivity Jumper

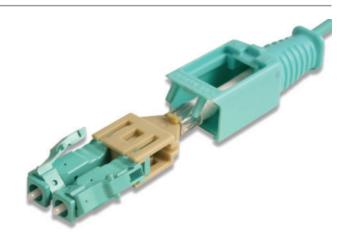
XGLO Singlemode OS1/OS2 900µM Buffered Pigtails

Part No:	Description:	
SM-FP1B-LCUL-(XX)H	LC to LC OS2 Yellow cable & Blue connectivity Jumper	
SM-FP1B-SCUL-(XX)H	SC to SC OS2 Yellow cable & Blue connectivity Jumper	

XX = Length e.g. 01=1metre

For Angled Polished (APC) substitute ${\rm U}$ with ${\rm A}$ (Green Connectivity). Only available in LC or SC.

ST connectivity also available (substitute LC or SC with ST in part numbers above)



Use **XX** to specify length: 01=1m, 02 = 2m, 03 = 3m, 05 = 5m

Note: Polarity CFP (Continuous fibre position) is available as an option. Remove the first dash *-* and add C to the end of the RFP part number. Example: SM-FBPLCLC5L-(XX)AH

XGLO fibre optic cable assemblies are ideal for supporting 10 Gigabit fibre applications over extended distances and next-generation backbones. XGLO cable assemblies feature premium fibre that meets IEEE 802.3 10 Gigabit Ethernet Standard as well as IEC-60793-2-10 and TIA-492AAAC (OM3), TIA-492AAAD (OM4) specifications for laser bandwidth Differential Mode Delay (DMD) specifications. In addition, these assemblies offer a superior connector polish that meets stringent Telcordia and ISO/IEC specifications for end-face geometry and exceeds all ISO/IEC and ANSI/TIA insertion loss and return loss requirements.

XGLO Multimode OM3 and OM4 Duplex Jumpers

Part No:	Description:
SM-FJ2-LCLC5L-(XX)AH	LC to LC OM3 Aqua cable & Beige connectivity Jumper
SM-FJ2-LCLC5V-(XX)EH	LC to LC OM4 Erica Violet cable & connectivity Jumper
SM-FJ2-SCSC5L-(XX)AH	SC to SC OM3 Aqua & Beige connectivity Jumper)
SM-FJ2-SCSC5V-(XX)EH	SC to SC OM4 Erica Violet cable & connectivity Jumper

XGLO Multimode OM3 & OM4 900µM Simplex Buffered Pigtails

Part No:	Description:
SM-FP1B-LC5L-(XX)AH	LC OM3 Aqua cable & Beige connectivity buffered Pigtail
SM-FP1B-LC5V-(XX)EH	LC OM4 Erica Violet cable & connectivity buffered Pigtail
SM-FP1B-SC5L-(XX)AH	SC OM3 Aqua cable & Beige connectivity buffered Pigtail
SM-FP1B-SC5V(XX)EH	SC OM4 Erica Violet cable & connectivity buffered Pigtail

ENCLOSURES

FIBRE CONNECT PANEL



The Fibre Connect Panel is a rack-mounted fibre enclosure that can be fitted with hard-mount adaptors. It is designed to connect, protect, and manage up to 48 fibres in a low profile 1U rack space. The FCP3-R can be supplied empty (FCP3-R-01) or fully loaded - and populated to provide terminations for 24 fibres in SC and 48 fibres in the LC version.

Part No:	Description:
SM-FCP3-R-01	Fixed Patch Panel, 1U, C/W 12 Blanks, Fibre Management, Black
SM-FA2-SCSC-01	Fibre Adaptor, SC Duplex, MM or SM, Phosphor Bronze**
SM-FA4-LCLC-06C	Fibre Adaptor, LC Quad, SM, Phosphor Bronze Sleeve, Blue**
SM-FA4-LCLC-80C	Fibre Adaptor, LC Quad, MM, Phosphor Bronze Sleeve, Beige**
SM-FA-BLANK	Fibre Adaptor Blank, Black**
SM-FCP3-RACK	6 to 72 fibre (up to 288 fibre with MTP adaptor plates) Fibre Connect Panel with fixed tray, accepts (3) Quick-Pack adaptor plates, 1U, black. Includes mounting brackets, housing/ cover, fibre managers and grommet height: 43.2mm, width: 482.6mm, depth: 241.3mm

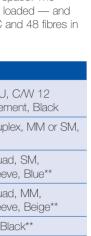
** Add "B" to the end of part number for bulk pack of 48. Note: 1U = 44.5 mm

Siemon's Surface Pack Box is best described as a compact,
lightweight box often utilised in high density work area environments
that require rapid deployment of cabling systems. Typically deployed
in buildings with a raised floor system, environments range from call
centres to trading floors.

The box supports rapid deployment by allowing connectivity to be pre-terminated and stored away while construction is finalised. Cables can be routed within a flexible conduit (not supplied), secured to the box and terminated to outlets. The small overall footprint allows the box and connectivity to be stored under a raised floor and then passed through standard size floor grommets for efficient deployment to the work station.

Surface Pack Boxes are available in 3 port and 6 port versions. Both boxes are the same size and compatible with MAX®, Z-MAX® and TERA® outlets allowing customers to support Cat5e, 6, 6A and 7A installations. The outlets are presented at an angle to allow patch leads to dress less prominently off the face of the box. Blanks may be used to accommodate port count variants and allow for expansion in the future. Ample labelling is provided for both the box and ports. Two mounting options are available. One method features a mounting bracket that can be secured to a fixed location and allows the box to be clipped into the bracket via a one touch latch. For additional security, the box can be mounted without the use of the bracket by securing the base directly to the work area surface.

Part No:	Description:
SM-SP-3-01	3 Port Surface™ Pack Box, Modular, Black
SM-SP-6-01	6 Port Surface™ Pack Box, Modular, Black



► SURFACE PACK[™] BOX



Box Includes:

- > 3 Port identification labels and covers
- ► 1- Box label and cover
- ► 1 (203mm) Tie-wrap

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> 1 - Screw for securing cover to the base of the box

(@)enquiries@networkscentre.com



LIGHTSTACK[™]





As today's high-density data centres migrate from 10 to 40 and 100 gigabit speeds, they require low-loss fibre connectivity to support multiple mated connections for flexible patching options over a wide range of distances and configurations while remaining within link loss budgets. At the same time, these connections need to be easily accessed and managed to quickly and effectively make changes. With superior best-in-class features, Siemon's LightStack Ultra High Density Fibre Plug-And-Play System offers superior density, port access and cable management in a sleek, modern enclosure that easily supports today's advanced data centre and storage area network environments, while providing fast, seamless migration to advanced 40 and 100 gigabit applications.

The LightStack System consists of:

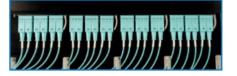
- ► Enclosures
- ► Plug & Play Modules

ULTRA HIGH DENSITY



Up to 144 fibres (LC interface) and 864 fibres (MTP interface) within 1U.

JUMPER CAPACITY



Features industry leading horizontal cable management capacity. Designed to work with both uni-tube and mini-zip jumpers.

AESTHETICS



Molded magnetic hinged door with enhanced graphics.

- ► Adaptor Plates
- ► MTP Trunks
- ▶ Hybrid MTP to LC Trunks

UNMATCHED ACCESSIBILITY



Enclosures can be stacked repeatedly and maintain full accessibility due to rear sliding bottom tray.

JUMPER MANAGEMENT



Horizontal cable managers have a hinged cover for easy access to all jumpers during install and subsequent MAC work.

STRAIN RELIEF



Swivel tie down allows for simplistic approach for anchoring trunks and eliminating pinch points

DATA CENTRES



Designed for advanced data centres, network and storage area environments providing a seamless migration to 40 and 100 gigabit.

INNOVATIVE LABELLING



Label holder utilising an excel template for ease of use - both laser printing and secondary adhesive labels can be used.

LC PASS THROUGH



LC adaptor plate option - 144 fibres in 1U.



► LIGHTSTACK[™] PANELS



Part No:	Description:
SM-LS-1U-01	1U Enclosure, 144 LC fibres or 864 MTP fibres, mounts in 19" racks or cabinets
SM-LS-4U-01	4U Enclosure, 576 LC fibres or 3456 MTP fibres, mounts in 19" racks or cabinets

► LIGHTSTACK[™] LC TO MTP MODULES

Features:

- ➤ Used in conjunction with LC BladePatch[®] RazorCore[™] trunks for rear connections only
- > Ultra slim design to achieve maximum fibre density
- > Low loss performance (0.35dB per multimode module)
- Handles in the rear of module helps facilitate removal from the back of the enclosure



Part No:	Description:
SM-LS-12-LC5V-01	Module, 12 LC-to-MTP Fibres, OM4, XGLO 550, Aqua LC and MTP Adaptors
SM-LS-12-LCSM-01	Module, 12 LC-to-MTP Fibres Singlemode, Blue LC Adaptors, Black MTP Adaptors

► LIGHTSTACK[™] LC ADAPTOR PLATES



Features:

- ➤ Used in conjunction with LC BladePatch[®] RazorCore[™] trunks for rear connections only
- > Available in Beige and Aqua (MM) and Blue (SM)
- ► 12 LC Fibres

HOW TO CREATE SIEMON LIGHTSTACK LC ADAPTOR PLATE PART NUMBERS



► LIGHTSTACK[™] MTP ADAPTOR PLATES

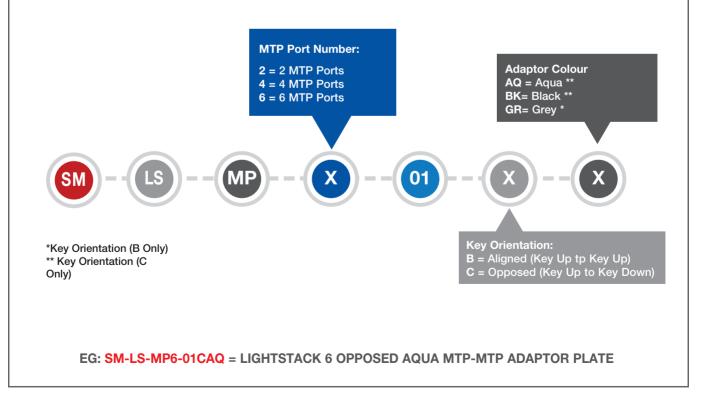
Features:

- ► Used in conjunction with LC BladePatch® RazorCore[™] trunks for rear connections only
- > Ultra slim design to achieve maximum fibre density
- ► Up to 72 fibre count
- > Handles in the rear of module helps facilitate removal from the back of the enclosure

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HOW TO CREATE SIEMON LIGHTSTACK MTP ADAPTOR PLATE PART NUMBERS



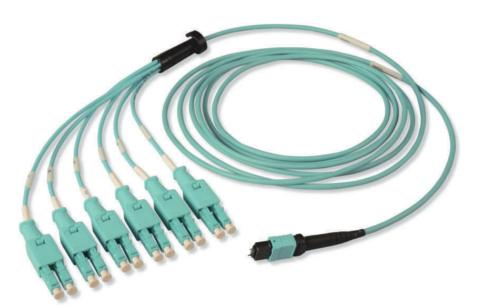


► LC PATCHBLADE TO MTP HYBRID TRUNKS

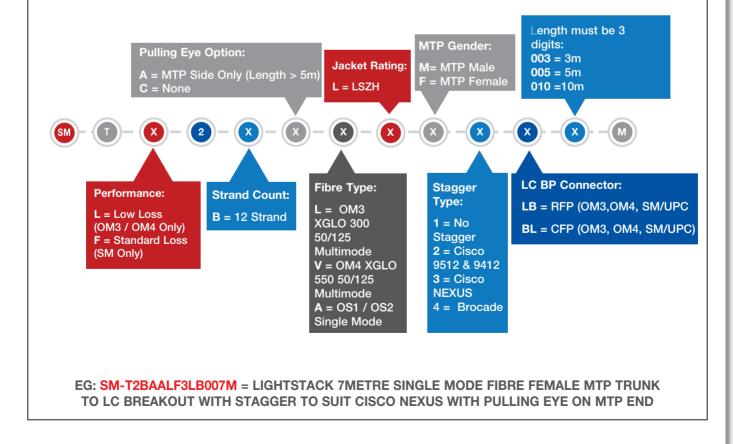
- > LC BladePatch with push pull latch further improves accessibility
- Designed to facilitate an interconnect or cross connect point between active equipment
- OM3/OM4 Bend Insensitive Fibre (BIF)
- SM Non-Bend Insensitive
- 12 Fibre strand count
- > Specific staggered lengths to active equipment

Nexus, Cisco MDS, Brocade and No stagger

- Low Loss performance 0.15 dB for LC and 0.20 dB for Multimode MTP
- Standard Loss performance 0.25 dB for LC and 0.60 dB for Singlemode MTP
- > Integrated cable manager on breakout



CREATE YOUR SIEMON LIGHTSTACK LC PATCHBLADE TO MTP TRUNK CABLE PART NUMBER





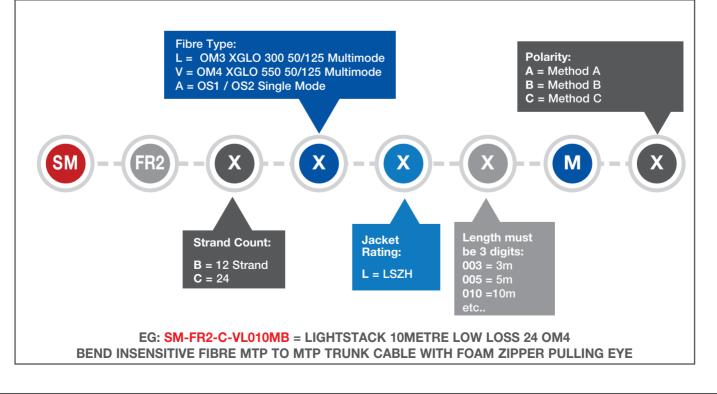
Siemon's next generation MTP to MTP trunks are redesigned to achieve 100lb pull strength to handle more aggressive pathway environments. They come with a foamed zipper pulling eye for quick removal saving on installation time and are reusable if relocation of a trunk is required after the initial installation.

Features:

- ► OM3/OM4 Bend Insensitive Fibre (BIF)
- ► SM Non-Bend Insensitive Fibre
- ► 12 and 24 fibre strand counts
- > Polarity methods A, B and C options
- ► Low loss performance (0.20 dB multimode and 0.6 dB singlemode MTP)
- Integrated breakout and zipper pulling eye work together to achieve 100lb. tensile pull strength
- > Zipper pulling eye allows for quicker installs
- Allows pulling eyes to be reused when relocating trunks during MAC work



HOW TO CREATE SIEMON LIGHTSTACK MTP TRUNK CABLE PART NUMBERS



RACKS



VERSAPOD® CABINETS

1 01403 754 233



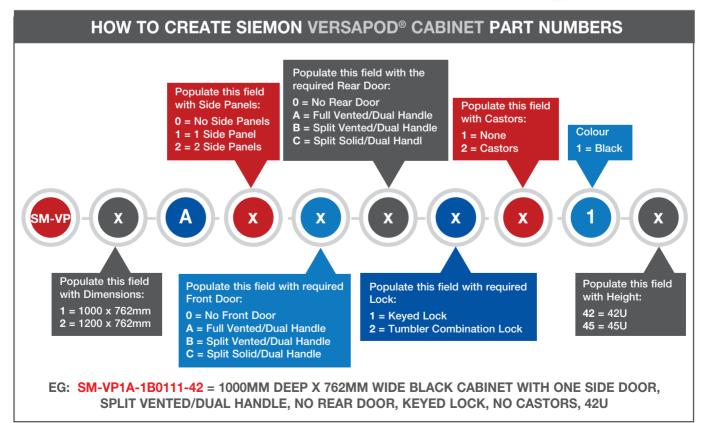
Includes: 4 levelling feet, 50 cage nuts and 4 stabilising bracket.

Siemon's VersaPOD enables a completely new and efficient approach to your physical data centre infrastructure. By leveraging the vertical space between bayed cabinets and at the end of row for patching, power distribution and cable management, the VersaPOD frees critical horizontal space for active equipment, providing improved air flow while optimising data centre floor space.

The VersaPOD's innovative Zero-U vertical patch panels (VPP's) dramatically simplify even the most dense patching needs while its vertical patching channels (VPC) offer a clean, orderly and easy method of high-density cable routing.

All of the VersaPOD's unique features are integrated into a full-featured modular enclosure that is equally effective as a standalone cabinet or in a multi-unit bayed configuration, offering a simple, scalable expansion path in any data centre.





(*Q*) enquiries@networkscentre.com

www.networkscentre.com

CABINETS



> V600[™] & V800[™] CABINETS

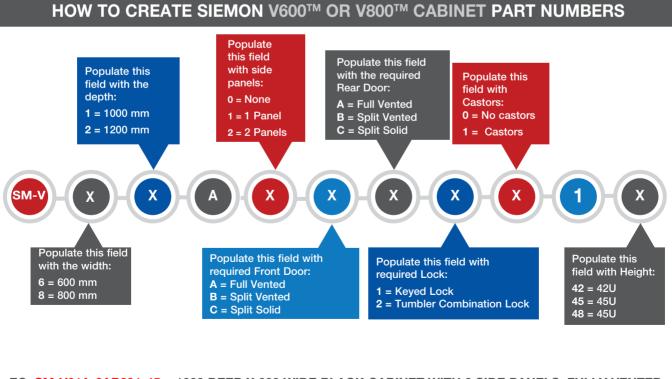


Siemon's V600[™] and V800[™] cabinets are robust, cost effective enclosures that provide additional 'Zero-U' space on each side of the cabinet. These cabinets are ideal for high density data centre environments, enabling increased cabling and equipment density whilst providing excellent accessibility and thermal efficiency. Effective as a standalone network and server cabinets units or bayed together, they share a common appearance as the VersaPOD[®] flagship cabinet.

- Lightweight Stability Design provides an extremely stable highcapacity cabinet without excessive weight.
- Zero-U Modularity* Half-height Zero-U panels can be mounted in any of the four quadrants (top, left, bottom left, top right and bottom right) of both the front and rear of the cabinet.
- Full Accessibility Doors Quick release, field reversible single piece front and split rear doors.
- Intergrated Side Panel Grounding
 Spring loaded grounding clips eliminate need for dedicated grounding conductors.

- High-Flow Doors Profiled high density perforated door provides 86% perforation exceeding major IT equipment air flow requirements.
 - Fully Adjustable Equipment Rails -Can be readily configured to support any range of equipment depths.
- A wide range of accessories are available including baying kits, cooling fan panels, PDU brackets, mounting rails, brush guards and thermal exhaust kits. Contact Networks Centre for further details.

*V800 TM only



EG: SM-V61A-2AB201-45 = 1000 DEEP X 600 WIDE BLACK CABINET WITH 2 SIDE PANELS, FULLY VENTED FRONT DOOR AND SPLIT VENTED REAR DOOR WITH TUMBLER LOCKS, NO CASTORS, 45U HEIGHT.

PDU'S

SM

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8



► POWERMAX[™] INTELLIGENT POWER DISTRIBUTION UNITS

Siemon's PowerMax[™] line of PDUs range from basic and metered for simple, reliable and cost-effective power distribution, to a full line of intelligent PDUs that deliver realtime power information with varying degrees of intelligent functionality for valuable troubleshooting, control and monitoring of power usage, capacity and environmental conditions. Available in both single phase and either Delta or Wye three phase power, PowerMaxTM PDUs feature multiple IEC output options to distribute 230V to a wide range of rack-mounted IT equipment, ranging from 1.8kW to 22kW.

All PowerMax™ PDUs come in both horizontal and vertical styles. Horizontal PDUs mount easily in any standard EIA 19-inch rack, while vertical PDUs are ideal for mounting within a cabinet's Zero-U space, such as the Zero-U space offered with Siemon's VersaPOD® and V800[™] cabinets.

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HOW TO CREATE SIEMON POWERMAX PDU PART NUMBERS Intelligent PDU Туре Populate this B = Basic field with side W = Managed Orientation N= Smart H = Horizontal M = Monitored T = Metered v = Vertical S = Switched Х X K1/ **Output Receptacle** Input Current | Input Voltage | Power | Input Plug Quantites / Type 01 = 15A | 120V | 1.4kW | NEMA 5-15P AA08Z = 8 / 0 5-15R

04 = 15A | 120V | 1.4kW | NEMA 5-15P 07 = 20A | 208V | 20A | 3.3kW | NEMA L6-20P 08 = 30A | 208V | 4.9kW | NEMA L6-30P BA08Z = 8 / 0 C13 BA10Z = 10 /0 C13 BA12Z = 12 /0 C13 11 = 20A | 120/208V | 5.7kW | NEMA L21-20P 20 = 16A | 230V |3.6kW / IEC 60309 BA18E = 18 / 6 C13 + C19 BA21C = 21 / 3 C13 + C19 22 = 32A | 230V |7.3kW / IEC 60309 26 = 16A | 230V/400V | 11kW / IEC 60309 27 = 32A | 230V/400V | 22kW / IEC 60309 BA24E = 24 / 6 C13 + C19 AA24Z = 24 / 0 5-15R AB24Z = 24/ 0 5-20R BA36Z = 36 /0 C13 33 = 16A | 230V | 3.6kW / IEC C20 EG: SM-8NV20-BA21C-K1A = SIEMON POWERMAX 16A, 230V, 3.6KW SMART MONITORING VERTICAL MOUNTED PDU WITH IED 60309 INPUT PLUG WITH 3M LEAD, 21 X C13 OUTPUT SOCKET AND 3 X C19 OUTPUT SOCKET

PLUG AND PLAY



▶ PLUG AND PLAY FIBRE MODULES

The Siemon range of plug and play modules provide a quick and easy way to deploy up to 24 LC or 12 SC fibres in a single module. Offering factory tested reliable high performance in an enclosed

Replace XX to specify LC or SC.

Replace X to specify fibre type: 6=0M1, 5=0M2, 5L=0M3 5V=0M4, SM=0S2

Use X to specify loss: L=low loss, BLANK = Standard

Part No:	Description:
SM-PP2-12-(XX)(X)-01(X)	12 Fibre Plug and Play Module with 1 MTP port, black
Part No:	Description:

module, the 12 way MTP ports provide a quick and simple interface. Modules are available in Multimode 62.5/125, 50/125 and XGLO laser optimised 50/125 OM3/OM4 and Singlemode.



MTP TO MTP ADAPTOR PLATES

MTP adaptor plates offer a simple pass through option for MTP connectors and an upgrade path for 40Gb/s and 100Gb/s over multimode OM4 fibre. Fitting within Siemons fibre enclosures, VersaPOD vertical patch panels and Combo panel, these panels allow efficient implementation of MTP to MTP reels and extenders and MTP to LC trunks for direct equipment and patching options.

Use **XX** to specify fibre count: **12/24/48/72/96** = (1/2/4/6/8 MTP adaptors)

Use **X** to specify adaptor colour: **Blank = Black** or **(Q=Aqua)**

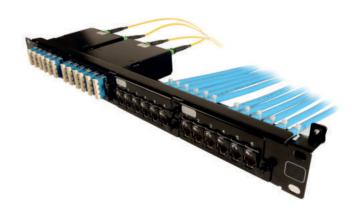
Part No:	Description:
SM-RIC-F-MP(XX)(X)-01	MTP Adaptor Plate, Black



COPPER/FIBRE COMBO PANEL

The copper/fibre Combo Panel provides users with exceptional versatility and robustness. Facilitating copper outlets and Fibre Plug & Play modules within the same rackspace, the compact 1U design offers integrated cable management, supporting Cat5e to Cat7A

Part No:	Description:
SM-PPM-SPNL4-01	Panel, high density, shielded copper and fibre combo
Part No:	Description:
SM-PPM-SMX6-01	Copper Adaptor Plate, 6-port, black



TEST & MEASUREMENT

FLUKE NETWORKS

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VERSIV RANGE

The Versiv[™] family accelerates every step of the certification process. Future-ready design supports copper certification, fibre loss, OTDR testing and hardware upgrades. The revolutionary ProjX[™] management system and Taptive[™] user interface ensures jobs are done right the first time. Analyse test results and create professional test reports using LinkWare management software.



128



► LINKWARE[™] LIVE

What is Linkware Live...?

LinkWare Live is a Test Results Management Service from Fluke Networks for cabling professionals managing multiple projects that quickly, easily and affordably provides unmatched job visibility and superior project control from anywhere at any time.



Dashboards

The ability to quickly get an understanding of how jobs are progressing is priceless. Now with LinkWare Live you can quickly get a snapshot of the progress on multiple projects. This not only lets you ensure that jobs are completed on time but also enable you to more efficiently schedule resources and equipment. Using the dashboard you can get the following info for each project in the Dashboard View:

- ► Project name
- ► Last updated
- > Number of results uploaded
- > Indication of test results that passed
- > Indication of test results that failed
- ► Project start date
- > Days remaining to complete the project
- > Target project end date

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- ► Project description
- ► Project address

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@enquiries@networkscentre.com

DSX CABLEANALYZER™ SERIES

>

DSX2	-8000	CABLE	ANALYSER	V2
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- ➤ Versiv[™] modular design supports copper certification, fibre optic loss, OTDR testing and fibre end-face inspection
- Unmatched speed for Cat6A, 8, Class FA, I/II and all current standards
- ➤ ProjXTM system manages job requirements and progress from set-up to systems acceptance, making sure all tests are completed correctly
- ➤ Taptive™ user interface simplifies set-up and eliminates errors
- ➤ Analyze test results and create professional test reports using LinkWare[™] management software
- Graphically displays the source of failures including crosstalk, return loss and shield faults for faster troubleshooting
- Intertek Verified to TIA Level 2G the most stringent accuracy requirement
- > Endorsed by cabling vendors worldwide
- > Built in Alien Crosstalk testing capability
- ➤ Compatible with LinkwareTM Live. Linkware Live enables to easily track job progress, get real-time access to test results to quickly fix problems in the field.

Part No & Description:

DSX2-8000 INT

1 Versiv mainframe & remote, (2) DSX2-8000 CableAnalyzer modules, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class I Channel Adapters, (2) Headsets, (2) HandStrap, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, (2) AxTalk terminators, Integrated Wi-Fi, Statement of calibration and getting started guide

DSX2-8000-GLD

1 Versiv mainframe & remote, (2) DSX2-8000 CableAnalyzer modules, set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class I Channel Adapters, (2) Headsets, (2) HandStrap, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, (2) AxTalk terminators, Integrated Wi-Fi, Statement of calibration and getting started guide with 1 year Gold Support

DSX2-8000 KITS



NetworksCentre.



Part No: & Description:

DSX2-8000MI

1 Versiv mainframe & remote, (2) DSX2-8000 CableAnalyzer Modules, (2) CertiFiber Multimode OLTS Modules, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class I Channel Adapters, (2) Headsets, (2) HandStraps, (2) Shoulder straps, Carrying case, USB interface cable, Versiv open source software CD, (2) Universal couplers, (2) AxTalk terminators, USB video inspection probe w/ 4 Tips, (2) Quick clean cleaners (1.25/2.50 mm), (2) LC/LC simplex adapters, SC/LC EF-compliant MM TRC kit 50 µm, TRC carry case, Integrated Wi-Fi, Statement of calibration and getting started guides.

DSX2-8000MI-GLD

1 Versiv Mainframe & Remote, (2) DSX2-8000 CableAnalyzer Modules, (2) CertiFiber Multimode OLTS Modules, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class I channel adapters, (2) Headsets, (2) HandStraps, (2) Shoulder straps, carrying case, USB interface cable, Versiv open source software CD, (2) Universal couplers, (2) AxTalk terminators, USB video inspection probe w/ 4 Tips, (2) Quick clean cleaners (1.25/2.50 mm), (2) LC/LC Simplex adapters, SC/LC EF-Compliant MM TRC kit 50 µm, TRC carry case, Integrated Wi-Fi, Statement of calibration and getting started guides. With 1 year Gold Support

DSX2-8000QI

1 Versiv Mainframe & Remote, (2) DSX2-8000 CableAnalyzer Modules, (2) CertiFiber Quad OLTS modules, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class I Channel Adapters, (2) Headsets, (2) Handstraps, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC Chargers, (2) Universal couplers, (2) AxTalk terminators, USB video inspection probe w/ 4 Tips, (2) Quick clean cleaners (1.25/2.50 mm), (2) LC/LC Simplex adapters, SC/LC EF-Compliant MM TRC kit 50 µm, SC/LC SM TRC Kit, TRC carry case, Integrated Wi-Fi, Statement of calibration and getting started guides.

DSX2-8000QI-GLD

1 Versiv Mainframe & Remote, (2) DSX2-8000 CableAnalyzer Modules, (2) CertiFiber Quad OLTS Modules, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class I Channel Adapters, (2) Headsets, (2) Handstraps, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, (2) AxTalk terminators, USB video inspection probe w/ 4 Tips, (2) Quick clean cleaners (1.25/2.50 mm), (2) LC/LC simplex adapters, SC/LC EF-compliant MM TRC kit 50 µm, SC/LC SM TRC kit, TRC carry case, Integrated Wi-Fi, Statement of calibration and getting started guides. With 1 year Gold Support

DSX2-8000QOI

1 Versiv Mainframe & Remote, (2) DSX2-8000 CableAnalyzer modules, (2) CertiFiber Quad OLTS modules, OptiFiber Quad OTDR module, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class 1 channel adapters, (2) Headsets, (2) Hand straps, (2) Shoulder straps, Hard sided carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, (2) AXTalk terminators, (2) Quick clean cleaners (1.25/2.50 mm), SC/SC Simplex adapters, 2 SC/ LC Multimode launch cables—50 μm, 2 SC/LC Singlemode launch cable—9 μm, USB fibre inspection video probe with 4 tips, (2) LC/LC simplex adapter, SC/LC EF-Compliant MM TRC kit 50 μm, SC/LC SM TRC kit, TRC carry case, Integrated Wi-Fi, Statement of calibration and getting started guides.

DSX2-8000QOI-GLD

1 Versiv Mainframe & Remote, (2) DSX2-8000 CableAnalyzer modules, (2) CertiFiber Quad OLTS modules, OptiFiber Quad OTDR module, Set of Cat8/Class I Permanent Link Adapters, Set of Cat8/Class 1 Channel Adapters, (2) Headsets, (2) Hand straps, (2) Shoulder straps, Hard sided carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, (2) AxTalk terminators, (2) Quick clean cleaners (1.25/2.50 mm), SC/SC simplex adapters, 2 SC/ LC multimode launch cables—50 μm, 2 SC/LC singlemode launch cable—9 μm, USB fibre inspection video probe with 4 Tips, (2) LC/LC simplex adapter, SC/LC EF-compliant MM TRC Kit 50 μm, SC/LC SM TRC kit, TRC carry case, Integrated Wi-Fi, statement of calibration and getting started guides. With 1 year Gold Support.



► DSX2-5000 CABLE ANALYSER V2

24BI.I.1-24 TO 33BI.C.20	PASS
WIRE MAP	PERFORMANCE
ISO11801 PL2 Class Fa (1 C	
LENGTH	(57.4 m) 🖌
RESISTANCE	~
INSERTION LOSS	(14.7 dB) 🗸
RETURN LOSS	(5.3 dB) 🗸
NEXT	(9.3 dB) 🖌
PS NEXT	(10.1 dB) 🖌
ACR-N	(20.8 dB) 🖌
	V TEST
<u>а номе</u>	✓ TEST

The DSX2-5000 CableAnalyzer V2 improves the efficiency of copper certification with unmatched speed for testing Cat6A and Class $\rm F_A$ and all current standards.

The ProjX Management System helps ensure jobs are done correctly the first time and helps tracks progress from set-up to systems acceptance. Versiv platform supports modules for fibre testing (Both OLTS and OTDR). The platform is easily upgradeable to support future standards.

Troubleshoot faults faster with the Taptive user interface which graphically displays the source of failures including crosstalk, return loss and shield faults.

Analyse test results and create professional test reports using LinkWare™ Management Software. Fluke Networks' DSX2-5000 CableAnalyzer V2 has the Intertek (ETL) Certification in accordance with the IEC-61935-1 specifications for accuracy Level IV, and draft accuracy Level V, and in accordance with the ANSI/TIA-1152 specifications for Level IIIe.

Part No: & Description:

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etworks

DSX2-5000

1 Versiv Mainframe & Remote, (2) DSX2-5000 CableAnalyser Modules, Set of Cat6A/Class EA Permanent Link Adapters, Set of Cat6A/Class EA Channel Adapters, (2) Headsets, (2) Hand strap, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) universal couplers, Integrated Wi-Fi, Statement of calibration and getting started guide.

DSX2-5000-GLD

1 Versiv Mainframe & Remote, (2) DSX2-5000 CableAnalyser Modules, Set of Cat6A/Class EA Permanent Link Adapters, Set of Cat6A/Class EA Channel Adapters, (2) Headsets, (2) hand strap, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, Integrated Wi-Fi, Statement of calibration and getting started guide. With 1 Year Gold Coverage

NetworksCentre.





Part No: & Description:

DSX2-5000QI

1 Versiv Mainframe & Remote, (2) DSX2-5000 CableAnalyzer Modules, (2) CertiFiber Quad OLTS Modules, Set of Cat6A/Class EA Permanent Link Adapters, Set of Cat6A/Class EA Channel Adapters, (2) Headsets, (2) Hand straps, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, Integrated Wi-Fi, USB video inspection probe w/ 4 tips, (2) Quick clean cleaners (1.25/2.50 mm), (2) LC/LC simplex adapters, SC/ LC EF-Compliant MM TRC kit 50 μm, SC/LC SM TRC kit, TRC carry case, statement of calibration and getting started guides.

DSX2-5000QI-GLD

1 Versiv Mainframe & Remote, (2) DSX2-5000 CableAnalyzer Modules, (2) CertiFiber Quad OLTS Modules, Set of Cat6A/Class EA Permanent Link Adapters, Set of Cat6A/Class EA Channel Adapters, (2) Headsets, (2) Hand straps, (2) Shoulder straps, Carry case, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Universal couplers, Integrated Wi-Fi, USB video inspection probe w/ 4 tips, (2) Quick clean cleaners (1.25/2.50 mm), (2) LC/LC simplex adapters, SC/LC EF-Compliant MM TRC kit 50 µm, SC/LC SM TRC kit, TRC carry case, Statement of calibration and getting started guides. With 1 year Gold Support.

(@) enquiries@networkscentre.com



DSX SERIES ACCESSORIES

Browse our range of accessories for the Fluke Networks DSX CableAnalyzer Pro range. If you require anything else, please contact us on +44 01403 754 233 or email enquiries@networkscentre.com





► DSX-8000 (ONLY) ACCESSORIES

Part No:	Description:
DSX-CHA804S	DSX-8000 Cat8 Channel Adapter Set
DSX-PLA804S	DSX-8000 Cat8 Permanent Link Adapter Set
DSX-PLA804SPRP	CAT8 Permanent link adapter replacement parts
DSX-REFCAL2G	Set reference artifact for GG45 testing



Part No:	Description:
DSX-PLA004S	DSX Cat6A/Class EA PLA Set
DSX-PLA011S	DSX TERA Cat7A/Class FA PLA Set
DTX-PLA002PRP	CAT6A permanent link adapter replacement parts
DSX-CHA003	DSX COAX Adaptor
DSX-COAX	DSX COAX Adaptor Set
DSX-CHA004S	DSX Cat6A/Class EA CHA Set
DSX-CHA011S	DSX TERA Cat7A/Class FA CHA Set
DSX-TERA-KIT	DSX TERA Cat7A/Class FA PLA & CHA Kit
DSX-CHA012S	DSX GG45 Class FA Channel Adaptor
D3X-CHA0123	Set
DSX-CHA012S	
	Set
DSX-CHA021S	Set DSX M12 4-Position Adaptor Set DSX Patch Lead Test Adaptor Set for
DSX-CHA021S DSX-PC5ES	Set DSX M12 4-Position Adaptor Set DSX Patch Lead Test Adaptor Set for Cat5e Patch Leads DSX Patch Lead Test Adaptor Set for
DSX-CHA021S DSX-PC5ES DSX-PC6S	Set DSX M12 4-Position Adaptor Set DSX Patch Lead Test Adaptor Set for Cat5e Patch Leads DSX Patch Lead Test Adaptor Set for Cat6v Patch Leads DSX Patch Lead Test Adaptor Set for
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► CABLE IQ



CablelQ is the ideal tester for the installation and maintenance technician. It has storage capabilities and fault finding functions and is capable of testing twisted pair, coax and audio cables. CablelQ is the first cabling bandwidth tester for network technicians. It gives even the most novice tech the vision to see what speeds existing cabling can support, quickly isolate cabling from network problems, and discover what is at the far end of any cable. That means network technicians can close trouble tickets faster, reduce on-call time, and save money by better utilising their existing infrastructure.

Features:

- Qualifies Sees if your existing cabling has the bandwidth to support voice, 10/100, VoIP or Gigabit Ethernet
- Troubleshoots shows why existing cabling cannot support the network's bandwidth requirement (e.g. crosstalk at 11 metres)
- Discovers detects what's at the end of any cable and displays device configuration (speed/duplex/pairing)
- > Identifies unused switch ports that can be reallocated
- Graphically maps wiring configuration and shows distance to faults with Intelligent Wiremap
- Tests all copper cabling media: twisted-pair, coax, and audio cabling

Part No:	Description:
CIQ-100	CablelQ Qualification Tester (with remote adaptor and soft carrying case)



Part No:	Description:
CIQ-FTKSFP	Copper and Fibre Technician's Kit – Includes the CablelQ (CIQ-KIT) and SimpliFiber Pro (FTK1000) Fibre Test Kit.
CIQ-KIT	CablelQ Advanced IT Kit Includes CablelQ main unit with remote adapter, CablelQ Reporter software CD, IntelliTone 200 Digital Probe, Remote IDs #2-7, (2) RJ45-RJ45 patch cord, USB cable, coax 'F' push-on adapter, 75-ohm coax patch cord, RJ45/11 universal coupler, RJ11-RJ11 patch cord, owners CD and quick start guide, (4) AA batteries, test accessory soft pouch, duffel style bag.









► CABLE IQ ACCESSORIES



Enhance the value of your investment with a wide range of accessories for the CablelQ to aid cable fault finding. We offer the latest coax adaptors, remote office identifiers and more.

Part No:	Description:
CIQ-WM	Replacement for CablelQ Wiremap Adaptor
CIQ-RJA	For attaching Remote ID's to hard-to-reach RJ45 and RJ11 jacks
CIQ-SPKR	Expands CablelQ tested interfaces to include speaker wire
CIQ-CIT	FNET hard carry case featured in the CablelQ Resi Accessory Kit; room for CablelQ, IntelliTone Probe, 8 Remote ID's, and extra room for various adapters and patch cables
CIQ-COAX	Expands CablelQ tested interfaces to include Coax F, BNC, and RCA connectors
CIQ-IDK24	Remote Identifiers used for easily locating and tagging cabling in the enterprise or residential environment
CIQ-IDK57	Remote Identifiers used for easily locating and tagging cabling in the enterprise or residential environment

▶ INTELLITONE[™] PRO 200 LAN TONER AND PROBE



Get advanced vision for locating network cables more effectively at patch panels, switches, termination blocks, or hidden within bundles. Our new IntelliTone Pro 200 LAN Toner and Probe Kits finds the cables others can't.

The IntelliTone™ Pro 200 LAN Toner and Probe Series from Fluke Networks is the first network cable toner and probe to offer digital and analogue signalling all in one network toner and probe. That means it's equipped with the most powerful cable location technologies for any work environment. Use digital mode to trace and locate data cabling safely and effectively on active networks. Use analogue mode to isolate individual wire pairs, and trace voice, audio, and video cabling. The IntelliTone™ Pro 200 LAN Toner and Probe Series from Fluke Networks gives you superior vision for locating cables hidden in floors, ceilings, walls, and in bundles. This network cable toner and probe's breakthrough digital technology makes it the first tool to tone and trace safely and effectively on active networks.

Part No:	Description:
MT-8200-60-KIT	IntelliTone Pro 200 LAN Toner and Probe Kit Includes: IntelliTone 200 LAN Toner and 200 Probe, Coax F Connector Adaptor, (2) RJ11 and (2) RJ45 Patch Cables, Test Leads with alligator clips, (2) Ianyards, Quick Start Guide, and (2) 9-Volt Batteries
MT-8200-61-TNR	IntelliTone Pro 200 LAN Toner Includes: IntelliTone Pro 200 LAN Toner, Coax F connector adaptor, RJ11 and RJ45 Patch Cables, Test Leads with alligator clips, lanyard, Quick Start Guide, and 9-Volt Battery
MT-8200-63A	IntelliTone Pro 200 Probe Includes: IntelliTone Pro 200 Probe, RJ11 and RJ45 Patch Cables, lanyard, Quick Start Guide, and 9-Volt Battery
MT-8202-05	IntelliTone Case Heavy-duty pack cloth padded and lined case with belt loops and d-ring
MT-8203-20	Test Leads with Bed of Nails Set of two Banana Jack test leads with piercing pin 'Bed of Nails' alligator clips with vinyl sleeves
MT-8203-22	Test Leads with Alligator Clips Set of two Banana Jack test leads with standard alligator clips with vinyl sleeves



MICROSCANNER2



Today's communications technicians have a lot more problems to deal with than just the cabling. They have to rule out a whole host of potential cable and service issues before determining the cause of a connection problem. Is there telephone voltage? What's the polarity? Is there an Ethernet switch at the far end? Is PoE available? MicroScanner2 acknowledges this, giving technicians high power vision to verify today's most common voice, data, and video services. That means faster, more comprehensive troubleshooting.

Features:

- Revolutionary Interface graphical wiremap, length, cable ID, and distance to fault displayed on one screen
- Multimedia Support tests all common media types including RJ11, RJ45, Coax, with no need for adaptors
- IntelliTone Toning locates virtually any cable or wire pair with IntelliTone digital and analogue toning
- VDV Service Detection verifies today's media services, including 10/100/1000 Ethernet, POTS, and PoE
- Rugged Housing integrated rubber holster enhances grip and makes it durable enough for the toughest jobs
- Oversized Display large, backlit LCD makes results crystal clear whether in bright sunshine or in a dark closet

Part No:	Description:
MS2-100	MicroScanner2 Cable Verifier. Model includes: MicroScanner2, Main Wiremap Adaptor, (2) AA Alkaline Batteries, Printed Multi-language Getting Started Guide

MICROSCANNER2 KITS

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Part No:	Description:
MS2-FTK	
	Copper/Fibre Basic Technicians Kit (MS2-100 and FTK-KIT)
MS2-TTK	MicroScanner2 Termination Test Kit, includes MicroScanner2 Cable Verifier, IntelliTone Pro 200 Probe, IS60 Pro-Tool Kit, and a deluxe carrying case.
MS2-KIT	MicroScanner2 Professional Kit. Model includes: MicroScanner2, Main Wiremap Adaptor, Remote Identifiers #2-7, Intellitone Pro 200 Probe, (2) AA Alkaline Batteries, Printed Multi-language Getting Started Guide, Various Patch Leads and Adaptors
MS2-CPK	MicroScanner2 Professional Kit Carry Case
MS2-IDK27	MicroScanner2 Remote Identifier KIT 2-7
MS2-POUCH	MicroScanner2 Pouch
MS2-WM	MicroScanner2 Wiremap

FIBRE TESTING



NetworksCentre.

Fibre optics cabling is the core of today's datacom networks. Optical fibre is the predominant media type for mission-critical data centre links, backbone within buildings, and longer distances for campus networks. As network speeds and bandwidth demands increase, distance and loss limitations have decreased, making fibre optic cabling certification more important than ever.

Fibre optic testers include tools to perform basic inspection and cleaning, basic troubleshooting and verification testers, certification testers, and advanced OTDR testers for troubleshooting and analysis of existing cabling.

Fluke Network's fiber line is expanding







(MM)



Fiber QuickMap ™ Fault Locator Fault Locator (SM)

SimpliFiber ™ Power Meter and Sources



Inspection Scope

Certifiber ™





MultiFiber[™] PRO MPO Power Meter and Sources

Power Meter and Sources

OptiFiber [™] OTDR

CERTIFIBER PRO OPTICAL LOSS TEST SET



Fluke Networks CertiFiber® Pro Optical Loss Test Set improves productivity. It can certify two fibres at two wavelengths in 3 seconds.

The Taptive user interface simplifies set-up, eliminates errors and speeds troubleshooting. A set reference wizard ensures correct reference setting and eliminates negative loss errors. Built on the future-ready Versiv platform, CertiFiber Pro provides merged Tier 1 (Basic) / Tier 2 (Extended) testing and reporting when paired with an OptiFiber Pro module.

A convenient guad module supports both singlemode and multimode and is multimode Encircled Flux compliant. Analyze test results and create professional test reports using LinkWare Management Software.

Part No: & Description:

CFP2-100-M

1 Versiv Mainframe & Remote, (2) CertiFiber Pro Multimode OLTS Modules, SC/LC EF-compliant MM TRC Kit 50 um, TRC Carrying Case, (2) LC/LC Adaptors, (2) Hand Straps, (2) Shoulder Straps, Carry Case, USB Interface Cable, LinkWare Software CD, User Manual CD, (2) AC Chargers, Integrated Wi-Fi, Statement of Calibration and Getting Started Guide.

CFP2-100-S

1 Versiv Mainframe & Remote, (2) CertiFiber Pro Singlemode OLTS modules, SC/LC SM TRC Kit, TRC Carrying Case, (2) LC/LC Adaptors, (2) HandStraps, (2) Shoulder Straps, Carry Case, USB interface cable, LinkWare Software CD, User Manual CD, (2) AC Chargers, Integrated Wi-Fi, Statement of Calibration and Getting Started Guide

CFP2-100-Q

1 Versiv Mainframe & Remote, (2) CertiFiber Pro Quad OLTS modules, SC/LC EF-compliant MM TRC Kit 50 µm, SC/LC SM TRC Kit, TRC Carrying Case, (2) LC/LC Simplex Adaptors, (2) HandStraps, (2) Shoulder Straps, Carry Case, USB Interface Cable, LinkWare Software CD, User Manual CD, (2) AC Chargers, Integrated Wi-Fi, Statement of Calibration and Getting Started Guide.



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► CERTIFIBER PRO ACCESSORIES Browse our selection of Certifiber Pro accessories. If you require anything else please contact us on +44 (0)1403 754 233 or Email: enquiries@networkscentre.com.





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Part No:	Description:
CFP-MM-MOD	Certifiber Pro Mulitmode Replacement Module
CFP-SM-MOD	Certifiber Pro Singlemode Replacement Module
CFP-QUAD MOD	Certifiber Pro Quad Replacement Module
FI-1000-KIT	A USB Fibre Inspection Video Probe for Versiv Products Plus Tip Set (LC, FC/SC Bulkhead, 1.25 and 2.5mm Universal Tips in a box).
CFP-Q-ADD	CertiFiber Pro Quad Add-On Kit: CertiFiber Pro Quad OLTS module
CFP2-Q-ADD-R	CertiFiber Pro Quad Add-On Kit w/ Remote: Versiv Remote + CertiFiber Pro Quad OLTS module
CFP-MM-ADD	CertiFiber Pro MultiMode Modules Add-On Kit: CertiFiber Pro Multimode OLTS modules (2)
CFP-SM-ADD	CertiFiber Pro SingleMode Modules Add-On Kit: CertiFiber Pro SingleMode OLTS modules (2)
SRC-9-SCSC-KIT	Singlemode TRC Kit 2m (4 SC/SC)
SRC-9-SCLC-KIT	Singlemode TRC KIT 2m (2 SC/LC, 2 LC/LC)
SRC-9-SCFC-KIT	Singlemode TRC Kit 2m (2 SC/FC, 2 FC/FC)
SRC-9-SCST-KIT	Singlemode TRC Kit 2m (2 SC/ST, 2 ST/ST)
SRC-9-SCSCAPCKIT	Singlemode TRC KIT 2m (2 SCUPC/SCAPC, 2 SCAPC/SCAPC)
SRC-9-SCLCAPCKIT	Singlemode TRC KIT 2m (2 SCUPC/ LCAPC, 2 LCAPC/LCAPC)
SRC-9-SCE2KAPCKIT	Singlemode Simplex Test Reference Cord SC/E2K APC Kit
MRC-50EFC-SCLCKIT	LC TRC LVM Kit with 2x MC-50-LVM- SCLC
MRC-50EFC-SCSCKIT	EF TRC Kit 50 for Testing SC Fibers
MRC-625EFC-SCLCKIT	EF TRC KIT 62.5 for Testing LC Fibers
MRC-625EFC-SCSCKIT	EF TRC KIT 62.5 for Testing SC Fibers
MRC-50EFC-SCSTKIT	EF TRC Kit 50 for Testing ST Fibers
MRC-50EFC-SCFCKIT	EF TRC Kit 50 for Testing FC Fibers
MRC-625EFC-SCSTKIT	EF TRC KIT 62.5 for Testing ST Fibers
MRC-625EFC-SCFCKIT	EF TRC KIT 62.5 for Testing FC Fibers
NFA-ST	ST Test Adapters - Set of 2
NFA-SC	SC Test Adapters - Set of 2
NFA-LC	LC Test Adapters - Set of 2
NFA-FC	FC Test Adapters - Set of 2





► MULTIFIBER PRO

MultiFiber Pro Optical Power Meter and Source is the only fibre tester that can test MPO fibre trunks without the use of fan-out leads. This singlemode and multimode MPO fibre testing kit eliminates the complexity of polarity issues, and it makes MPO connections easier to test in the field.

Whether it is using 10 Gbps preterminated MPO fibre trunks or planning for next-generation 40/100 Gbps Ethernet performance, data centres are standardising on an MPO connector solution. Typical data centre fibre installation means time-consuming, manual and imprecise MPO validation.

MultiFiber Pro Optical Power Meter and Source is 90 percent faster than the single fibre cable testing method because it measures power loss and validates polarity on 12 fibre in a single connector – reducing test time from weeks to days.

- > Automatic scanning & testing of all fibre in MPO connectors
- > Support for both multimode and singlemode MPO fibre trunks
- > Eliminates the need for fan-out leads when testing MPO fibre trunks
- > Easy to interpret test results with minimal navigation
- > The user interface displays all 12 fibres
- > Automatic 8, 10 and 12 fibre measurements
- > Troubleshoot MPO fibre links and drill down to single fibre results





Part No & Description:

MFTK-1200	MultiFiber Pro Testing Base Kit includes MultiFiber Pro Power Meter, 850nm Light Source, Test Cords, MPO Adaptors, and Carrying Case.
MFTK-SM1310	MultiFiber Pro 1310 nm Singlemode Kit includes MultiFiber Pro Power Meter, 1310 nm Light Source, Test Reference Cords, MPO Adaptors, and Carrying Case.
MFTK-SM1550	MultiFiber Pro 1550 nm Singlemode Kit includes MultiFiber Pro Power Meter, 1550 nm Light Source, Test Reference Cords, MPO Adaptors, and Carrying Case.

Kits:

MFTK-MM850-SM1310

MultiFiber Pro Multimode & 1310 nm Singlemode Kit includes MultiFiber Pro Power Meter, 850 nm Light Source, 1310 nm Light Source, Test Reference Cords, MPO Adaptors and Carrying Case.

MFTK-MM850-SM1550

MultiFiber Pro Multimode & 1550 nm Singlemode Kit includes MultiFiber Pro Power Meter, 850 nm Light Source, 1550 nm Light Source, Test Reference Cords, MPO Adaptors and Carrying Case.

MFTK-SM1310-SM1550

MultiFiber Pro Singlemode test kit includes MultiFiber Pro Power Meter, 1310 nm laser light source, 1550 nm laser light source, Singlemode test leads (1 unpinned/unpinned; 1 unpinned/pinned; 2 pinned/pinned), 2 APC MPO Adaptors, and Carrying Case

MS2-MAG-KIT

The MAG-KIT is a new holster and magnetic strap attachment for: MicroScanner2 Cable Verifier, SimpliFiber® Pro, FI-500 FiberInspector™ Micro and the MultiFiber™ Pro. This holster allows technicians and contractors to use their testers "hands free" by enabling them to attach the tester to any magnetic surface.

PLUS A FULL RANGE OF ACCESSORIES

@enquiries@networkscentre.com



OTDR TESTING



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▶ OPTIFIBER[®] PRO QUAD OTDR



VERSIV 02/07/2012 4:42:15 pm ult not saved PASS EventMap TABLE TRACE Fiber Length: 310.84 m Overall Loss: 1.46 dB 102.82 m 51.66 m Reflection Loss: 0.50 dB 1.15 m eflectance: -46.18 dB 51.63 m 103.58 m Fiber Type: OM3 Multimode Test Limit: ANSI/TIA-568-C 1 ✓ TEST ☆ HOME ✓ TEST

The OptiFiber Pro from Fluke Networks is the first purpose-built OTDR that meets the unique challenges of an enterprise fibre infrastructure. With its simple smartphone user interface and powerful feature set, the OptiFiber Pro turns anyone into an efficient and expert premise fibre troubleshooter or installer. As enterprises consume more storage resources and adopt higher bandwidth (40G, 100G) Data Centre architectures, the resilience of the cabling infrastructure becomes highly dependent upon maintenance tools to ensure fibre reliability.

OptiFiber Pro is the first OTDR built from the ground up for enterprise fibre optic cable testing. OptiFiber Pro is focused on reducing costs while enhancing productivity and improving network reliability.

- > First OTDR with a smartphone user-interface
- > Industry's shortest event and attenuation dead zones
- > Accelerate fibre certification with the fastest set-up and trace times
- SmartLoop OTDR introduces the testing of two fibres in a single test eliminating the need to travel to the far end of the connection to perform tests
- Improve resource utilisation with custom configurations for projects and users

- Simplify use with "DataCenter OTDR™" mode and EventMap™ view
- ► Custom project folders

➤ Compatible with Linkware™ Live. Linkware Live enables users to easily track job progress, get real-time access to test results to quickly fix problems in the field, and easily transfer and consolidate test results from the tester to LinkWare™ PC Cable Test Management Software

Part No:	Description:
OFP2-100-Q-NW	OptiFiber Pro Quad OTDR w/ Inspection
OFP2-100-QI	OptiFiber [®] Pro Quad OTDR
OFP2-100-M-NW	OptiFiber Pro Multimode OTDR
OFP2-100-MI	OptiFiber Pro Multimode OTDR w/ Inspection
OFP2-100-S-NW	OptiFiber Pro Singlemode OTDR
OFP2-100-SI	OptiFiber [®] Pro Quad OTDR



► OPTIFIBER[®] PRO KITS



Part No:

Description:

OFP2-CFP-QI

(1)01403 754 233

OptiFiber Pro Quad OTDR and CertiFiber Pro Quad kit with inspection kit. This kit includes (1) Versiv Mainframe & Remote, (1) OptiFiber Pro Quad OTDR module, (2) CertiFiber Pro Quad OLTS modules, (2) Hand straps, (2) Shoulder straps, (2) Carry cases, USB interface cable, Versiv open source software CD, (2) AC chargers, (2) Quick clean cleaners (1.25/2.50 mm), (2) SC/LC multimode launch cables—50 µm, (2) SC/LC singlemode launch cables—9 µm, (2) OTDR source port interchangeable LC adapters, USB Fibre inspection video probe with 4 tips, SC/SC simplex adaptor, (2) LC/LC simplex adaptor, SC/LC SM TRC kit 9 µm, TRC carry case, (2) Launch fibre hanging straps and magnets, Integrated Wi-Fi, Statement of calibration and getting started guides.

► OPTIFIBER[®] PRO ACCESSORIES



Part No:	Description:
OFP-MM	OptiFiber® Pro Multimode OTDR Module
OFP-SM	OptiFiber® Pro Singlemode OTDR Module
OFP-QUAD	OptiFiber® Pro Quad OTDR Module
PA-SC	OTDR Source Port Interchangable SC Adapter
PA-LC	OTDR Source Port Interchangable LC Adapter
PA-ST	OTDR Source Port Interchangable ST Adapter
PA-FC	OTDR Source Port Interchangable FC Adapter
FI-1000-KIT	FI-1000 USB video probe and tip set



FIBRE FAULT FINDING



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► FIBER QUICKMAP



The Fluke Networks Fibre QuickMap is an enterprise fibre troubleshooter that quickly and efficiently locates connections and breaks in multimode fibre. By instantly providing distances to failures such as high loss and high reflectance incidents, Fibre QuickMap is the must-have troubleshooter for any technician who works with fibre.

Other troubleshooting solutions in today's data centres are too inefficient and take up too much time. Lasers are simple, but the repetitive process of shining it down a link and checking the far end is imprecise, tiresome and time-consuming. On the other end of the spectrum, OTDRs work well as troubleshooters, but their advanced analysis and trace capabilities make them best used for certifying and documenting cable installation quality. Today, network technicians need a first-line diagnostic tool to help them fix their fibre cabling problems. Fibre QuickMap's onebutton ease-of-use, speed and detailed insight into fibre connectivity make it the technician's troubleshooter of choice.

Part No:	Description:
FQM-M	FQM-MAIN, Fiber Quickmap Main Instrument Only

► FIBER QUICKMAP KITS



Combining VFL, inspection scope and power meter make the fibre Quickmap kits powerful fault finding kits.

Part No:	Description:
FQM-100-M-VFL	Fibre troubleshooting Kit including FQM- 100-M, VisiFault VFL and Carrying Case
FQM-SFP-M	Fibre troubleshooting Kit including FQM-100-M, VisiFault VFL, SimpliFiber Pro Power Meter and Multimode Source Carrying Case
FQM-100-M	FQM-100-M, Fiber QuickMap, Launch Cords and Carrying Case

► FIBER ONESHOT[™] PRO



Fiber OneShot Pro is a pocket-sized optical test set designed to take the complexity out of singlemode fibre to increase productivity and decrease training time. The Fiber OneShot allows testing anywhere in the network (central office, node, hub, drop or optical network terminal (ONT)) and fast, affordable, testing. Fiber OneShot Pro's one-button-test capability will quickly and accurately verify if a fibre is active and find the distance to a break or end, dirty end face or reflective event – going from zero to 23,000m. This portable FTTx tester is designed to be lightweight and accurate.

Built to last, the Fiber OneShot incorporates an energy-absorbing holster over an impact-resistant case to withstand drops, impacts and the tough outside plant environment, ensuring years of trouble-free operation.

Testing benefits that increase your productivity

- Measure the length of your fibre quickly and accurately
 New CheckActive™ feature alerts you if an optical signal is
- on the fibre
- Instant-on no boot/load time
- Test fast expedite your fibre testing with one button in a few seconds

Part No:	Description:
FOS-S	Fiber One Shot Pro



► FIBER ONESHOT KITS & ACCESSORIES



Combining test leads, power meter and visual fault locator with the Fiber OneShot make a comprehensive fault finding package.

Part No:	Description:
FIBR-AC-CH	FIBR-AC-CH, Case, HOLSTR-FIBR Oneshot
FIBR-AC-UUPC	FIBR-AC-UUPC, 1M UPC-UPC Launch CRD
FIBR-AC-UAPC	FIBR-AC-UAPC, 1M UPC-APC Launch CRD

► VISIFAULT



Bright laser-powered Visual Fault Locator (VFL) traces fibres, verifies continuity and polarity, and aids in fault location. Compatible with 2.5mm and 1.25mm connectors. Rugged design, long battery life, lanyard attachment and a carrying case.

Part No:	Description:
VISIFAULT	Bright Laser-Powered Visual Fault Locator (VFL)
NF-380	Universal 1.25mm Ferrule Adaptor

► CLEANING KITS



- Prevent the primary cause of fibre link failure: end-face contamination. Everything needed for precision cleaning of end-faces on both patch leads and inside adaptor ports.
- > Specially formulated solvent dissolves contaminants, neutralises static charge and encapsulates particles for removal.
- > A range of wipes and swabs enable cleaning of all styles of fibre optic connections.

Kit includes:

- Cleaning cube with wipes
- > Ten cards with sealed cleaning zones
- ➤ Solvent pen
- > 2.5mm port cleaning swabs and 1.25mm port cleaning swabs
- ► Rugged carrying case

Part No:	Description:
NFC-KIT-CASE	Fiber Optic Cleaning Kit - Includes cleaning cube with wipes, ten cards with sealed cleaning zones, solvent pen, 2.5mm port cleaning swabs and 1.25mm port cleaning swabs in a rugged carrying case
NFC-KIT-CASE-E	Enhanced Fibre Cleaning Kit with Quick Clean 1.25mm cleaner, an Quick Clean 2.5mm cleaner, an Quick Clean MPO cleaner, a solvent pen, a cleaning cube and a softcase.



FIBRE LOSS TEST KITS



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► SIMPLIFIBER[®] PRO



Rugged dual wavelength LED multimode and Laser singlemode sources with SC adaptor, power meter has six calibrated wavelengths and result storage.

Part No:	Description:
SFSINGLEMODESOURCE	Simplifiber® Pro Singlemode Source 1310-1550nm
SFSINGLEMODE2	1490 and 1625nm Dual Wavelength Singlemode Light Source
SFPOWERMETER	Simplifiber® Pro Optical Power Meter
SFMULTIMODESOURCE	Simplifiber [®] Pro Multimode Source 850-1300nm

► SIMPLIFIBER[®] PRO KITS



SimpliFiber[®] Pro Optical Power Meter and Fibre Test Kits include all the tools necessary to verify and troubleshoot optical fibre cabling systems, measure loss and power levels and inspect and clean connector end-faces. Replacing the popular SimpliFiber[®] series, this next generation optical loss test kit boasts industry-leading functions such as dual-wavelength testing and automatic-wavelength detection, in addition to unique features such as CheckActive™, FindFiber™, and Min/Max. With such advanced, yet easy-to-use, capabilities that reduce test times, SimpliFiber[®] Pro is simply the best first-line fibre test kit on the market.

Part No:	Description:
FTK1000	Includes SimpliFiber Pro Optical Power Meter, 850/1300 Multimode source, Carrying Case, and SC Power-Meter adaptor.
FTK1200	SimpliFiber® Pro Full-Featured Inspection and Certification Kit (SimpliFiber Pro Optical Power Meter & Multimode 850/1300nm Source, VFL Visual Fault Locator, FindFiber™ Remote ID source, SC, LC- and ST connector adapter, Magnetic Strap Attachments, and carrying case)
FTK2000	Includes SimpliFiber® Pro Optical Power Meter, 1310/1550 Singlemode source, Carrying Case, and SC Power-Meter adaptor.
FTK2100	Includes SimpliFiber® Pro Optical Power Meter, two Singlemode sources (1310/1550 and 1490/1625 nm), Carrying Case, and SC Power-Meter adaptor.
FTK1375	Multimode Fibre verification Kit with FI-500 FiberInspector Micro – Includes SimpliFiber Pro optical power meter, 850/1300 multimode source, VisiFault VFL, FI-500 FiberInspector, FindFiber Remote ID source, and carrying case; SC, ST, and LC power meter adapters.
FTK1475	Complete Fibre verification Kit with FI-500 FiberInspector Micro – Includes SimpliFiber Pro optical power meter, 850/1300 multimode source, 1310/1550 singlemode source, VisiFault VFL, FI-500 FiberInspector, two (2) FindFiber Remote ID sources, Magnetic strap attachments and carrying case; SC, ST, and LC power meter adapters, NFC-KIT-BOX fiber optic cleaning kit.



FIBRE INSPECTION



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► FI-7000 FIBERINSPECTOR[™] PRO



Fibre optic connector end-face contamination is a leading cause of fibre failures. Dirt and contaminant will cause insertion loss and back-reflection that inhibits optical transmission and causes havoc with transceivers. Fibre loss and OTDR testing can expose this problem, but in many cases, dirty connections make fibre testing time consuming and inaccurate.

The FI2-7000 FiberInspector Pro is a fibre optic inspection scope that allows you to inspect and certify fibre optic connector end-faces in 2 seconds so you can get the job done the first time. This fibre optic inspection scope provides automated PASS/FAIL certification to take the guess work out of fibre inspection so anyone can be a fibre expert.

Part No:	Description:
FI2-7000-NW	The FI2-7000 FiberInspector Pro contain: Versiv mainframe, USB fibre inspection video proper with 4 tips in a box (LC, FC/SC bulkhead, 1.25 and 2.5mm universal), blank module to protect the mainframe's rear connector, AC charger, shoulder strap, USB interface cable, LinkWare software CD, Integrated Wi-Fi user manual CD, getting started guide and soft carrying case.

FEST & MEASUREMENT > Fibre Inspection

► FI-7000 KITS



Kits:	
FI2-7000MPO	The FI2-7000 FiberInspector Pro with MPO tip and cleaning contains: Versiv mainframe, USB fibre inspection video probe with 4 tips in a box (LC, FC/SC bulkhead, 1.25 and 2.5mm universal), MPO fibre inspection adaptor tip, click cleaners for 1.25mm & 2.5mm ferrules and MPO/MTP connectors, blank module to protect the mainframe's rear connector, AC charger, Integrated Wi-Fi, shoulder strap, USB interface cable, LinkWare software CD, user manual CD, getting started guide, soft carrying case.
FI-1000-KIT	A USB fibre inspection video probe which works with the Versiv products (CertiFiber Pro, OptiFiber Pro, DSX CableAnalyzer.

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► FI-7000 ACCESSORIES



Accessories:	
FI1000-SCFC-TIP	SC and FC bulkhead video probe tip
FI1000-LC-TIP	LC bulkhead video probe tip
FI1000-ST-TIP	ST bulkhead video probe tip
FI1000-MU-TIP	MU bulkhead video probe tip
FI1000-E2KAPC-TIP	E2000/APC bulkhead video probe tip
FI1000-SCAPC-TIP	SC/APC bulkhead video probe tip
FI1000-E2K-TIP	E2000 bulkhead video probe tip
FI1000-LCAPC-TIP	LC/APC bulkhead video probe tip
FI1000-2.5-UTIP	2.5 mm universal video probe tip for patch leads
FI1000-1.25-UTIP	1.25 mm universal video probe tip for patch leads
FI1000-2.5APC-UTIP	2.5 mm APC universal video probe tip for patch leads
FI1000-MPO-UTIP	MPO/MTP probe tip and translator knob for patch leads & bulkheads
FI1000-MPOAPC- UTIP	MPO/APC MPO/MTP probe tip and translator knob for patch leads & bulkheads
FI1000-1.25APC-TIP	1.25 mm APC universal video probe tip for patch leads
FI1000-MPOAPC-RT	MPO/MTP APC replacement tip with no translator knob







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Part No: & Description:

FI-500

The FI-500 Fibre Optic Inspection System includes a handheld colour display, auto-focus inspection scope and 4 tips for LC and SC style bulkheads and 1.25 and 2.50mm patch leads. The patented camera includes PortBright™ to illuminate and easily connect in dark places.

FI-525

The FI-525 includes a FI-500 Fibre Optic Inspection System with a handheld colour display, auto-focus inspection scope and 4 tips for LC and SC style bulkheads and 1.25 and 2.50mm patch leads. The patented inspection scope design includes PortBright[™] to illuminate and easily connect in dark places. The FI-525 also include a wet and dry fibre end face cleaning kit.

See SimpliFiber Pro Kits on Page 260 for complete fibre Inspections kits including the FI-500 inspection system.







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► FI-500 FIBERINSPECTOR ACCESSORIES

Part No: & Description:

FI-500TP-APC

Set of 4 APC Tip adapters including the FI 500TP ASFC, ALCF, A25F and A125F $\,$

FI-500TP-SCF

Tip adapter for SC bulkhead fibre connectors

FI-500TP-FCF

Tip adapter for FC bulkhead fibre connectors

FI-500TP-STF Tip adapter for ST fibre bulkhead connectors

FI-500TP-LCF

Tip adapter for LC bulkhead fibre connectors
FI-500TP-U25F

Tip adapter for 2.5mm (SC,FC,ST) fibre patch leads

FI-500TP-U125F Tip adapter for 1.25mm (LC) fibre patch leads

FI-500TP-ASFC Tip adapter for SC APC bulkhead fibre connectors

FI-500TP-ALCF Tip adapter for LC APC bulkhead fibre connectors

FI-500TP-A25F Tip adapter for 2.5mm APC (SC,FC,ST) fibre patch leads

FI-500TP-A125F Tip adapter for 1.25mm APC (LC) fibre end face connectors

FI-500FP-AFCF Tip adapter for FC APC bulkhead fibre connectors

FI-500TP-XLCF Tip adapter for Extended LC bulkhead connectors, 46mm

FI-500 Camera Probe

FI-500-BATTERY Replacement Battery set (2 NIMH AA) for FI-500

FI-500-PWR SUPPLY Replacement Power Supply for FI-500





FIBRE ACCESSORIES

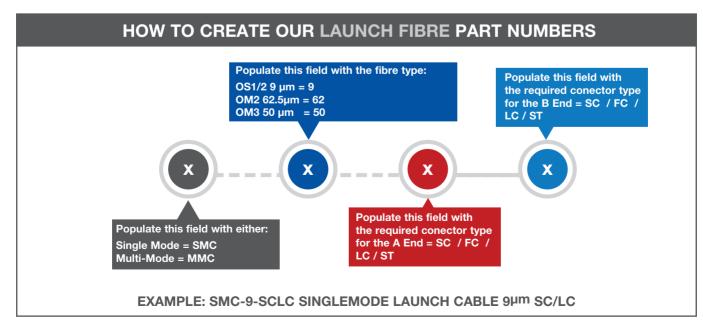


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► LAUNCH FIBRES

OTDR'S require the use of long launch fibres at the beginning and end of a fibre link, in order to measure the loss and reflectance of connectors at the ends of the fibre being tested. Fluke Networks launch fibres come in a small convenient protective case and are available in common fibre types and connections.





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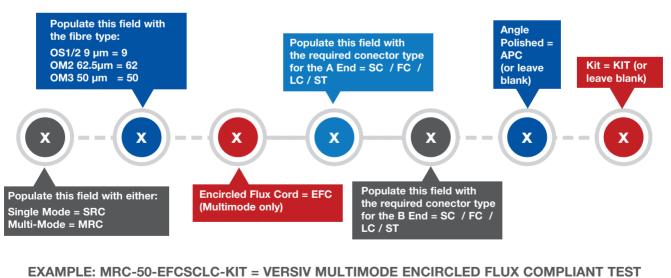
► DUPLEX/SIMPLEX FIBRE TEST REFERENCE CORDS

Fluke Networks test reference leads are specially configured for accurate and efficiant bi-directional testing. Connector end faces are hardened to increase durability and ensure good reference measurements.

To comply with indsutry standards multimode test reference leads are now supplied to support encircled flux launch conditions used in the certifiber pro.



HOW TO CREATE OUR TEST REFERENCE CORDS PART NUMBERS

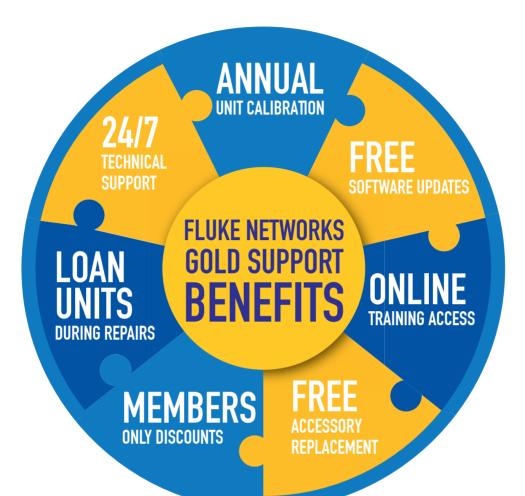


REFERENCE CORD KIT 2M FOR TESTING 50µm LC TERMINATED FIBRES (2 X SC/LC, 2 X LC/LC)

► GOLD SUPPORT



NetworksCentre.



Gold Support is Fluke Networks annual maintenance package. Membership ensures you are never without an up-to-date, calibrated tester in full working order.

Gold Support offers you all this great value for your money

► REPAIR

Should your testers need repair or suffer accidental damage, under Gold Support, you are entitled to unlimited, no charge repair services including labour, parts and shipping.

► LOAN UNIT IN THE EVENT OF A REPAIR

Fluke will provide a loan unit to keep you up and running while your unit is away, with all shipping costs covered. Simply place your tester in the shipping container the loan unit arrives in, affix the prepaid return shipping label and ship to Fluke Networks.

CALIBRATION

One annual calibration of your unit at a time of your choosing during the year.

ACCESSORIES

Free replacement of any failed accessory that was included in the box with the main unit at the time of delivery.

- For example:
- ➤ Battery packs
- ► Channel adaptors

01403 754 233

► Serial cables

- > Link adaptors
- ► AC chargers
- > Personality modules
- ► Technical support
- > Unlimited technical expertise with local language support
- > Unlimited access to our on-line Knowledge Base.
- Special Offers members only access to extra discounts on selected test equipment.

For 1 Year Gold support on Versiv testers add 'GLD' in front of the part number.

For 3 years Gold support on Versiv testers add 'GLD3' in front of the part number.

FLUKE GOLD SUPPORT COVERS:

- ► DSX 5000
- ► DSX 8000
- ► OPTIFIBER PRO
- CERTIFIBER PRO

For Gold Support on Cable IQ, Simplifiber, FI2-7000, Multifiber Pro, Simplifiber, Fibre Quickmap or Fibre OneShot, call for a quotation *No Gold support available on MicroMapper, MicroScanner or Intellitone

@enquiries@networkscentre.com



NETSCOUT. NetworksCentre.

Digital Transformation is changing the business, and IT must also transform to achieve the speed, reliability, security, and rapid deployment required by today's digital business initiatives. NETSCOUT's Business Assurance solutions, anchored in our unique ASI technology, address the combination of needs for IT transformation initiatives, including large scale unified communications projects, custom application roll-outs, and increasingly frequent public and private cloud projects, which require unprecedented levels of visibility and insight in real time for timely implementation and consistently high service quality.

WIRELESS TESTERS

► AIRCHECK G2[™] WIRELESS TESTER



AirCheck G2[™] Wireless tester is purpose built for the front-line IT responders dispatched to the complaints of: The Wi-Fi is not working or the Internet is down. The AirCheck G2[™] Wireless Tester provides fast, simple, and accurate isolation and troubleshooting, thereby reducing the time to resolution of wireless issues.

- ➤ A rugged, handheld purpose-built wireless tester supporting the latest Wi-Fi technologies (802.11a/b/g/n/ac)
- ➤ A one-button AutoTest, which quickly provides a pass/fail indication of the wireless environment and identifies common problem.
- > An instant view of test results including network availability, connectivity, utilisation, security settings, rogue hunting, and interference detection.
- Connectivity to a centralised test results management platform, Link-Live, that facilitates greater job visibility, project control and fleet management for larger distributed environments.
- Networks Centre also provide in house training as well as a range of accessories and Gold support services.

Part No:	Description:
AIRCHECK-G2	AIRCHECK G2™ WIRELESS TESTER. Includes soft case, AC charger, USB cable, Quick Start Guide
AIRCHECK-G2-TA-KIT	AIRCHECK-G2 PLUS EXT-ANT-RPSMA, AUTO CHARGER, HOLSTER. Includes test accessory, Small soft case, AC charger, USB cable, Quick Start Guide, external directional antenna, holster, automobile charger
ACKG2-LRAT2000	NETWORK TROUBLESHOOTING KIT. Includes: Aircheck G2 Wireless Tester, soft case, AC charger, USB cable, Quick Start Guide, external directional antenna, holster, automobile charger, LinkRunner AT 2000 tester with Li-ion battery, AC charger, IntelliTone™ PRO 200, Wireview Cable ID set 2-6, Large Folding Test Kit Pouch, Holster, RJ-45 coupler, LinkRunner AT Manager software CD, USB cable, Getting Started Guide, soft case Deluxe duffle bag

NETSCOUT NetworksCentre.

► LINKRUNNER G2 SMART NETWORK TESTER



Part No:	Description:
LR-G2	Includes LinkRunner G2 with Li-ion battery, power supply with regional power plugs, WireView Cable ID #1, Inline RJ-45 coupler, USB 2.0 to Micro USB cable, 8G Micro SD card, Small Soft Case, Coupler, Getting Started Guide.
LR-G2-KIT	Includes LinkRunner G2 with Li-ion battery, power supply with regional power plugs, WireView Cable ID #1-#6, Inline RJ-45 coupler, USB 2.0 to Micro USB cable, 8 G Micro SD card, Holster, Accessories pouch, IntelliTone [™] 200 Probe, Medium Soft Case, Coupler, Getting Started Guide.
LR-G2-LS-KIT	Includes LinkRunner G2 with Li-ion battery, power supply with regional power plugs, WireView Cable ID #1, Inline RJ-45 coupler, USB 2.0 to Micro USB cable, 8G Micro SD card, Small Soft Case, Coupler, Getting Started Guide, (2) LinkSprinter, (2) LinkSprinter Holster
LR-G2-5PK	Includes 5 of each of the following: LinkRunner G2 with Li-ion battery, Power supply with regional power plugs, Wireview Cable ID #1, Inline RJ-45 coupler, USB 2.0 to Micro USB Cable, 8 G Micro SD card, Small Soft Case, Coupler, Getting Started Guide.
LR-G2-ACKG2-CBO	Includes LinkRunner G2 with Li-ion battery, (2) Power supplies with regional power plugs, Car charger, Wireview Cable ID #1-#6, Inline RJ-45 coupler, (2) USB 2.0 to Micro USB cable, 8 G Micro SD card, (2) Holsters, Accessories pouch, IntelliTone™ 200 Probe, Small, Medium, Large Soft Cases, AirCheck G2 Wireless Tester, Test Accessory, (2) Quick Start Guide, External directional antenna.

The smart network tester for the connected world.

- ► Improves the effectiveness of network professionals by combning enhanced copper and fibre Ethernet testing with the Android™ OS
- > Streamline installation and troubleshooting workflows using vendor/device apps for configuration and triage
- ➤ The first solution to offer a patented TruePower™ PoE test that supports 4-pair 51-Watt UPOE under load
- > Automated documentation in Link-Live cloud-based results management database saves time and improves collaboration
- > Full range of Accessories & Gold Support options available

Accessories:

Part No:	Description:
EU-WIFI-BT-USB	E dimax n150 Wi-Fi & Bluetooth USB Adapter for Europe.
SFP-1000SX	SFP-1000SX, SX Gig Fiber DDM SFP Transceiver
SFP-1000ZX	SFP-1000ZX, ZX Gig Fiber DDM SFP Transceiver
SFP-1000FX	SFP-1000FX, 100BASE-FX Fiber DDM SFP Transceiver
WIREVIEW 1	Wireview 1, Wireview WireMapper #1
WIREVIEW 2-6	Wireview 2-6, Wireview Cable ID Set 2 through 6



*LR-G2-ACKG2-CBO

NETSCOUT NetworksCentre.

► LINKRUNNER[™] AT NETWORK AUTO-TESTER



- Fast answers: AutoTest accurately identifies network problems in 10 seconds
- ► LRAT-2000 for copper and fibre, TruePowerTM PoE loading, IPv6, reflection and 50 reports instead of 10
- ➤ Verify connections at 10M/100M/1G on copper and fibre: Instantly verify link status, connection type, and signal strength
- Nearest switch and VLAN information: Displays the VLAN and nearest switch model, slot and port
- > Cabling: Test installed cabling and patch leads
- TruePower PoE testing: Quickly validate PoE performance by drawing actual power up to the 802.3at standard 25.5W
- Document results: Store up to 50 test results and download to your PC
- ► Instant-on: Boots in under 3 seconds; six-hour battery life
- Streamline management of connectivity test results, reports, projects and staff with the companion Link-Live Cloud Service

LinkRunner AT Network Auto-Tester is the fastest way to solve network connectivity problems. This rugged, handheld network tester takes the guesswork out of troubleshooting with its complete one-button AutoTest. AutoTest performs your required set of connectivity tests in 10 seconds, enabling you to accurately and quickly identify and solve network problems.

Part No & Description:

LRAT-1000 LinkRunner AT 1000 Network Auto-Tester Includes: LinkRunner AT 1000 Tester, LinkRunner Manager Software CD, USB cable, LinkRunner AT Getting Started Guide, and Soft Case

LRAT-2000 Includes all LRAT-1000 features plus: Fibre, TruePower™ PoE loading, IPv6, reflection and 50 reports instead of 10. LRAT-2000 includes: LinkRunner AT 2000 with Li-ion Battery (until June 30, 2012), Wireview Cable ID #1, LinkRunner Manager Software CD, USB cable, RJ45 Coupler, Getting Started Guide and Soft Case.

LRAT-2000-KIT Includes LinkRunner AT 2000 tester with Li-ion battery, Wireview Cable ID #1-#6, RJ-45 coupler, LinkRunner AT Manager software CD, USB cable, Holster, IntelliTone™ 200 Probe, and a deluxe carrying case

LINKSOLUTIONS-KIT Includes LinkRunner AT 2000 tester, two LinkSprinter network testers, LinkRunner AT holster and two LinkSprinter holsters.

► LINKSPRINTER[™] NETWORK TESTER

LinkSprinter provides network connectivity troubleshooting and identifies error in less than 10 seconds. Automated reporting to the included Link-Live Cloud Service Essentials ensures network connectivity status and path information is documented for every link.

- > Test and Validate Network Connectivity in less than 10 seconds
- Diagnose and test Power over Ethernet (PoE), Link to the switch, DHCP, Gateway, and Internet connection
- Get VLAN, switch name, and port information via CDP/LLDP/EDP for your managed switches
- Expert network troubleshooting techniques delivered to colour graded LEDs
- > Automated reporting to Link-Live Cloud Service
- > Get detailed test results sent directly to your email
- ► Proxy support

Part No:

Description:

LSPRNTR-300

LinkSprinter Network Tester includes Cable Fault Finder



▶ ONETOUCH[™] AT NETWORK ASSISTANT



- All-in-one network tester: combined copper, fibre optic and Wi-Fi network troubleshooting resolves a broad range of problems with one testing tool
- Versatile: dual 10/100/1G copper/fibre Ethernet test ports and an 802.11a/b/g/n/ac Wi-Fi radio for use in multiple environments. 10 Gigabit version available.
- Fast: one-button automated testing with pass/fail analysis speeds identification of the most common problems in about a minute
- Easy: standardised network troubleshooting and performance validation empowers technicians of various skill levels to solve more problems with confidence
- Complete: a comprehensive client view of performance isolates the problem root cause starting from the physical layer, through the network and to server-hosted applications
- Cloud: automated, cloud-based results trending and

Part No:	Description:
1T10G-1000	OneTouch AT 10G Network Assistant, includes1G SX SFP Fibre Transceiver, 10G SR SFP+ FibreTransceiver, SD Card, Frame Carry Strap, Hand Strap, AC Adaptor and Line Cord, RJ45 Patch Cable, Carrying Case, Getting Started Guide, and Resource CD with User Manual
ITG2-1500	OneTouch AT Network Assistant with the Copper/FibreLAN option, includes Module and test Frame, Frame Carry Strap, AC Adaptor and Line Cord, Wiremap Adaptor #1, RJ45 Coupler, RJ45 Patch Cable, Accessories Pouch, Carrying Case, Getting Started Guide, and Resource CD with User Manual
ITG2-3000	OneTouch AT Network Assistant with Copper/FibreLAN, Wi-Fi, Packet Capture and Advanced Tests options, includes Module and test Frame, Frame Carry Strap, AC Adaptor and line cord, Wiremap Adaptors #1 - #6, RJ45 Coupler, RJ45 Patch Cable, External Directional Antenna with Mounting Clip, SD card, USB SD Card Reader, USB flash drive, two 1000BASE-SX SFP Fibre Transceivers, Accessories Pouch, Carrying Case, Getting Started Guide, and Resource CD with User Manual

performance analytics to troubleshoot intermittent client problems from anywhere using a web-connected device with a browser

- Discover: automated wired and Wi-Fi discovery and analysis provides visibility into connected devices, key device properties, device interconnections and problems
- Performance: end-to-end L2/L3 wired and Wi-Fi path performance measurement to a peer or a reflector to validate and document link readiness and SLA compliance
- VoIP: inline VoIP call monitoring and comprehensive logging simplifies troubleshooting of desktop VoIP problems in real-time without taps or switch mirror ports
- Capture: wired, Wi-Fi, VoIP and AutoTest packet capture streamlines collaboration and escalation of the most complex issues

AIRMAGNET MOBILE

NETSCOUT offers portable tools that provide analysis of the wireless LAN for quick and effective Wi-Fi troubleshooting, remediation of rogue devices and compliance auditing.

Intelligent insight into RF and network level information enables wireless network engineers and frontline technicians to pinpoint the source of issues that pose wireless network

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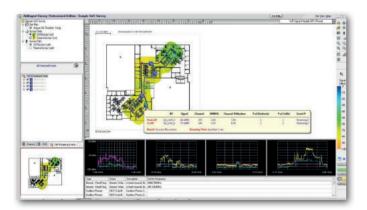
security risks or disrupt performance. Wireless network security solutions ensure WLAN applications, such as voiceover-wireless LAN maintain integrity throughout deployment and expansion phases.

► AIRMAGNET WI-FI ANALYZER

The industry standard software tool for mobile monitoring, auditing and troubleshooting enterprise Wi-Fi networks. AirMagnet Wi-Fi Analyzer helps IT staff quickly solve end-user issues while automatically detecting Wi-Fi signal strength, security threats and wireless network vulnerabilities. The Wi-Fi network analyzer enables wireless network managers to easily test and diagnose dozens of common wireless network performance issues including throughput issues, Wi-Fi connectivity issues, device conflicts and signal multipath problems.

Part No:	Description:
AM/A1150G	AirMagnet Wi-Fi Analyzer PRO

AIRMAGNET SPECTRUM XT



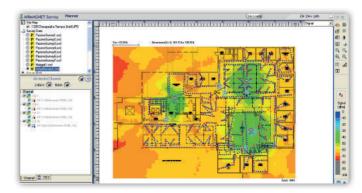
The real-time Wi-Fi spectrum analyzer's combined view of "impact analysis of RF interference" on the network's overall performance helps pin-point the root-cause of those problems.

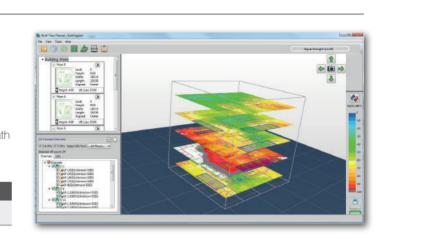
Part No:	Description:
AM/B4070	AirMagnet Spectrum XT (USB Based)

► AIRMAGNET SURVEY PRO

The industry's most accurate wireless site survey software solution for mapping, planning and designing 802.11n/a/b/g/ac wireless LANs for optimal performance, security and compliance. Survey software calculates the ideal quantity, placement and configuration of APs for a successful wireless LAN deployment.

Part No:	Description:
AM/A4018G	AirMagnet Survey Pro (with Planner)





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CABINETS & POWER

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PRISM CABINETS



HOW TO CREATE OUR PRISM CABINET PART NUMBERS Door type Width: If you require a FI $\mathbf{G} = \mathbf{G}$ lass FS for floor **6** = 600mm server cabinet insert FP = Flat Packed standing SVR-FI M = Mesh 8 = 800mm X X X X PR CAB PR for Populate this Populate this field Colour BK or Populate this field with the field with 'CAB' with the height: PRISM GY depth: to reflect 12U (Grey as (NB: Any cabinet **6** = 600mm 18U Standard) depth over 27U **8** = 800mm 1000mm 42U **10** = 1000mm becomes a 45U 12 = 1200mm server) EG: CAB-FS-45U-8-10-M-SVR-FI-GY-PR = PRISM 45U 800 X 1000 FLOOR STANDING

FI SERVER CABINET MESH DOOR GREY

► PI DATA CABINETS



Cabinets can be fitted with a range of options including side panels, solid steel or wardrobe style mesh doors, vented glazed doors and vented steel doors all designed to offer the flexibility to meet everyday requirements.

Typical Applications:

- ► Networking/Cabling/Broadcast
- > 19" electronic equipment housing
- Communication systems
- ► IT systems

Features:

- > Enclosed glass front door with slam latch lock
- ► Lockable rear metal door with low level venting
- > Vented and lockable side panels
- ► Raised and vented top cover with cable entry
- ► Transport castors
- ➤ Open base design
- ► Vertical cable management
- ► Fully adjustable 19" mounting profiles
- ► Earth bonding kit
- > Full range of accessories available
- > Supplied assembled or in flat pack option
- ► Multiple door configurations available
- > Configurable roof options to cater for overhead cable installations
- > Full range of airflow management accessories

PISM NetworksCentre.

► PI SERVER CABINETS



The internal mounting profiles have been designed to accommodate all of today's server manufacturers products. With the use of the mid profiles supplied and number of different depths of products, they can be accommodated within the one enclosure.

Typical Applications:

- Data centres / comms rooms
- 19" Server equipment housing
- Communication systems
- Structured cabling / multi-vendor installations

Features:

- > Enclosed glass front door with mesh surround or mesh as standard
- ► Lever latch lock with 3 point locking system
- ► Lockable rear metal door with 64% airflow mesh
- > Lockable side panels with high and low level venting
- > Raised and vented top cover with cable entry
- Open base design
- ► Vertical cable management
- > Fully adjustable 'vendor neutral' 19" mounting profiles
- > Mid style multiple depth mounting profiles
- ► Earth bonding kit
- > Full range of complenting accessories available
- ► Transport castors
- Supplied assembled or in flat pack option
- > Multiple door configurations available
- > Configurable roof options to cater for overhead cable installations
- > Open base design with plate options to maintain security
- ► Full range of airflow management accessories
- ► High density power and cooling options

► FI SERVER CABINETS



The range has been specifically designed to minimise weight where high densities of racks are required. The aluminium frame provides superior strength holding up to 1300kg and with its reduced weight is easily moved into any location. There are a number of cable access points supplied in the top of the cabinet as well as a complete open base type design.

Typical Applications:

- ► Data centres
- Networking/cabling
- > 19" Electronic equipment housing
- Communication systems
- ► IT Systems

Features:

- ► Bolted aluminium frame construction
- Lockable front door with 83% airflow mesh and three point locking
- Lockable rear door with 83% airflow mesh and three point locking
- Pair of lockable side panels
- > 4 x 19" universal adjustable (heavy duty) mounting profiles
- > Pair of 19" mid style (heavy duty) mounting profiles
- ► Raised top cover with 3 x cable entry points
- Set of heavy duty castors
- ► Set of cabinet feet
- Standard colour black
- Split sliding side panels
- > Overhead roof cabling channels
- Custom footprint sizes



PRISM'S BIG-0

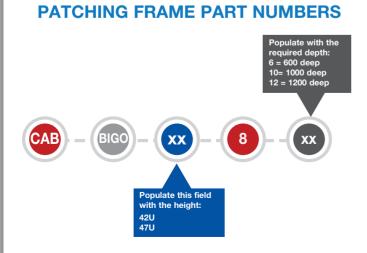


Prism's Big 'O' advanced high density patching frame offers a dynamic solution to the challenges of cable management. It is designed to meet the evolving demands of high density cabling applications in the data centre field. It is user friendly, flexible and durable. The Big 'O' is easy to assemble, has a variety of configuration options, and guarantees the effective utilisation of available space. It promises your network protection, and peak performance.



Features:

- A complete solution which maximises network performance and ensures its longevity
- An ideal platform for the effective management and organisation of structured cabling equipment
- > Negates the need for horizontal cable management
- Variable sizes designed to utilise space within data centre
- Top trough with built-in waterfall ensures optimal patch cabling routing, and complementary bend radius control
- ► User friendly and easy to assemble on-site
- > Can accommodate all types of cabinet door solutions
- > Can be used on solid floors, plinths, or raised access floors
- Durable powder coat finish, available in three colours, protects against scratches and fingerprint damage



The Big 'O' patching solution builds on the established foundation of the FI range of products and incorporates the key values and materials used. This product is available in a number of footprint sizes in single or double faced enclosures. The enclosure has been specifically chosen by today's cable manufactures to accommodate and maintain to correct level of bend radius required for high specification cabling systems. The internal cable channels are designed to accommodate the additional lengths supplied on all patch leads as well as providing access at a later date

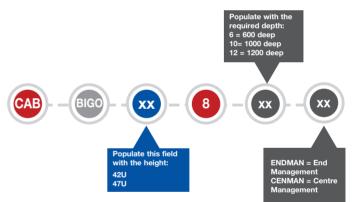
Options:

- > Mesh or glass doors available, wardrobe or single piece design
- Central double width cable management panel with central 2 prong plastic management and cable retaining arms
- Lockable and split sliding slide panels

and throughout the life of the installation.

- Single end cable management panels with single and double depth cable rings
- Overhead cable raceway systems

CABLE MANAGEMENT PART NUMBERS





Copper Cables

LEVITON®

Saves Lives & Protects Buildings

The final decision on minimum performance level lies with local authorities. Always check local regulations.

Fire Safety Classification Colour Coding























Self Extinguishing – for very high risk areas, such as buildings with high people density or where people have limited mobility

High Fire Protection

buildings with high people density risk areas, such as commercial Self Extinguishing – for high

Moderate Fire Protection

Limited Emissions – for general installs in some regions

Basic Fire Protection

Basic Minimum – for general

installs in some regions

Learn more about copper and fibre CPR-compliant cables at brand-rex.com/cpr

NetworksCentre.

PRISM COLD AISLE CONTAINMENT



Cold Aisle Containment is all about keeping the hot air generated by your servers separate from the cold air generated by your cooling systems.

The waste heat is channelled into the room, and from there to your CRAC/CRAH units. This allows 95% of the CRAC/CRAH units cooling capacity to be channelled directly to your servers.

Features:

- > Manual or automated self closing door options with vision panels
- > Fixed, drop-in or shrinkable fm approved roof panel options easily removable for cleaning
- > Retrofittable to any type and size of cabinets
- > Can be fitted to 3rd party enclosures
- ► LED lighting options
- > Doors upgrade to electronic locking & bms integration available
- ► Logo etching available





SPOTS



 \mathbf{S}

EXTENDED IT

EQUIPMENT





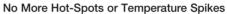




USAGE EFFECTIVENESS

164

Can't find what you're looking for? Then contact us...



Cold Aisle Containment limits thermal differential between the top and bottom racks, optimising server reliability at all rack positions.

Improved Performance & Lower Energy Costs

Get a huge efficiency boost. Over 95% of the cooling power is expended directly where you need it most. Large usage-based temperature fluctuations are all but eliminated. What that means for you is lower operating costs and more up-time.

S NetworksCentre.

PRISM HOT AISLE CONTAINMENT



Heat naturally rises. Rather than fighting this all-but-universal law of nature, HAC systems embrace it by channelling waste heat from your servers up and into a ceiling void or other overhead CRAC/CRAH system return.

This simple yet elegant system can make your cooling efforts not just more efficient but more reliable as well!

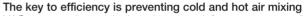
Features:

- > Manual or automated self closing door options with vision panels
- > Fixed, drop-in or shrinkable fm approved roof panel options easily removable for cleaning
- Retrofittable to any type and size of cabinets
- ► Can be fitted to 3rd party enclosures
- ► LED lighting options
- > Doors upgrade to electronic locking & BMS integration available
- ► Logo etching available





REDUCED HOT



HAC systems channel the hot, dry waste air from your servers directly to your CRAC intake, before it can mix with the cool air delivered to the servers. This makes cooling that air more effici ent.

Perfect for raised and slab floor data centres

A strength of a Hot Air Containment system is that it does not rely on a floor void of any kind. The cool air from your CRAC/CRAH units can simply be supplied into the room, where it will naturally gravitate to the server intakes near the floor. The hot exhaust air can be vented into a suspended ceiling plenum, or a system of simple ducts.

What that means for you is a system that can be installed inexpensively in almost any data centre or server room, temperature fluctuations are all but eliminated. What that means for you is lower operating costs and more up-time & reduce energy costs by as much as 30%.



IMPROVED POWER USAGE EFFECTIVENESS (PUE)



INVESTMENT (ROI)

NetworksCentre.

PRISM SERVER CAGING

Scalability, Modularity and Total Security all in One

As our IT systems become more and more critical to day to day operations, the physical security of these fragile, expensive and easy to manipulate systems becomes an even higher priority. A modular, strong and expandable Security cage for critical systems is the last word in both visual and physical system protection.

Features:

- ► Stronger than welded mesh
- ► Allows air to circulate freely up to 70% free airspace
- > Option for the cage panels to be installed raised off the floor to allow easy access to the raised floor void
- Roof can be added for additional security
- > Under floor and above ceiling barriers for extra security
- > Variety of cage pattern designs available.
- > Cage panels steel thickness: 1.5mm 4mm
- ► Cage height: up to 9m
- > Cage & door panels can be customised with a logo
- > Extensive choice of colours and finishes



Cage doors locking options:

key operated, electronic, electromechanical, variety of emergency exit hardware.



Cage doors types:

Sliding or hinged with self-closing option.





Sliding or hinged with self-closing option.

NENCO NETWORK CABINET

NetworksCentre.

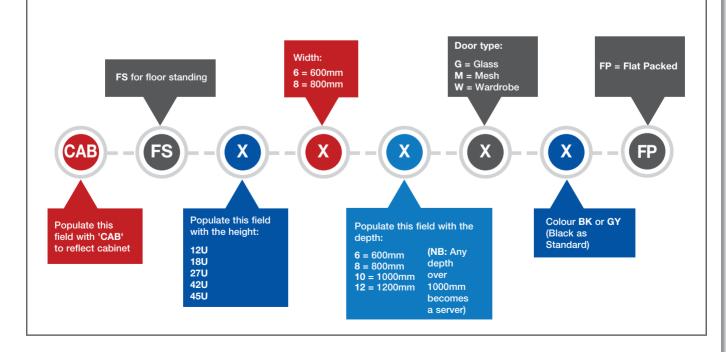
NENCO NETWORK CABINETS



A rack solution offering real value without compromise, with class leading 800kg load capacity. Designed, engineered and built in the UK, the application based configurations offer a practical yet highly versatile solution for housing common network infrastructure.

- ▶ 6 height variations 9U, 12U, 18U, 27U, 42U & 47U
- ▶ 2 width options 600 & 800mm
- > 4 depths available 600, 800, 1000 & 1200mm
- ► Environmental protection IP20
- ► Static load 800kg
- > Adjustable 19 inch mounting rails
- Upgradable plain top panels
- > Open base design with optional plinth
- Front doors; various standards and options; glazed, plain steel, 80% perforated
- Rear doors; various standards and options; plain steel, single 80% perforated, double 80% perforated
- ► Lockable lift-off side panels
- > Supplied fully assembled or flat packed
- Colours; Light Grey NCS 1502-Y or Black RAL 9005 (with black hardware)
- > Jacking feet fitted as standard (option of castors)
- > Baying options with or without side panels fitted
- > Wide racks come with cable channels as standard

HOW TO CREATE OUR NENCO NETWORK CABINET PART NUMBERS



NENCO WALL MOUNTED CABINETS



► NENCO WALL MOUNTEDCABINET

Our wall mounted cabinets are designed for todays front-office environment for equipment heat loads up to 1KW. The 600mm width range spans popular unit heights from 6U - 15U (450mm depth) and 6U - 21U (600mm depth).

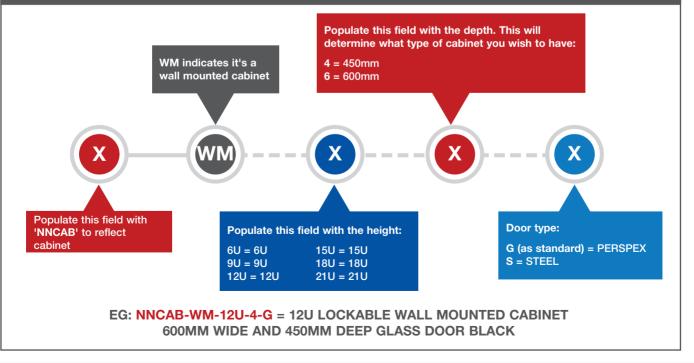
This wall cabinet has been designed with ease of equipment installation and cabling in mind. The side panels and door are all easily detached to aid access both during and after equipment installation.

Top and bottom cable gland entry enables cabling to enter neatly and efficiently.

- Robust welded construction is fully assembled to enable quick & easy on site installation
- 4 standard 19" adjustable rails to suit standard rack-mounted equipment
- Removable side panels and door allow for easy access to equipment and cabling during & after installation
- Easy installation to a wall structure using the removable rear mounting panel.
- Vented top and bottom allow for equipment convection ventilation or installation of fan units in top (order code NRWBFFK)
- Glazed door with lock as standard. The door can be hinged left or right.
- > Cable gland entry on top and bottom
- Side panels may be retro-fitted with a 50mm lock (order code NRWBLOCK)
- Black powder coat finish as standard (light grey an option)



HOW TO CREATE OUR NENCO WALL CABINET PART NUMBERS



168

FAN TRAYS

NetworksCentre.

CABINETS & POWER > Fan Trays

► ROOF MOUNTED

- ► Feature two or four fans per tray
- Quick and easy to fit
- ► Noise level 27-28 dB
- Available in black and grey
- > Supplied with mains lead



► HIGH SPEED ROOF MOUNTED

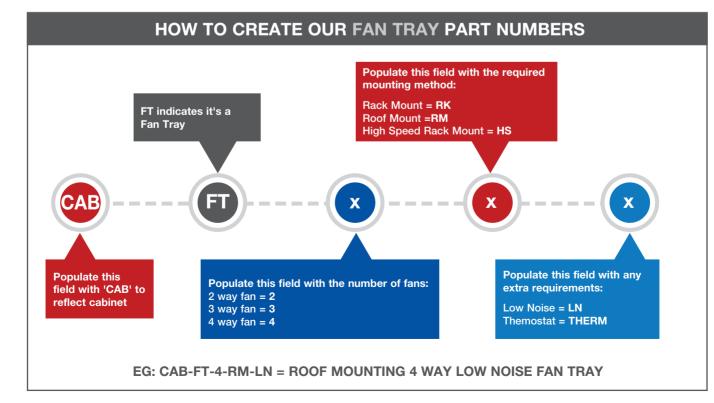
- ► Feature two or four fans per tray
- Quick and easy to fit
- Available in black and grey
- Supplied with mains lead
- Low noise options available



► RACK MOUNTED

- > Three quiet fans (27db) fitted as standard
- > Supplied with a 3 metre mains lead
- Durable welded construction





169

POWER DISTRIBUTION

NetworksCentre.

Our cost effective PDUs are available in a wide range of configurations, both vertical and horizontal. The configurators below enable you to access the full range of standard products but please call if you have any other requirement as we are able to build to order.

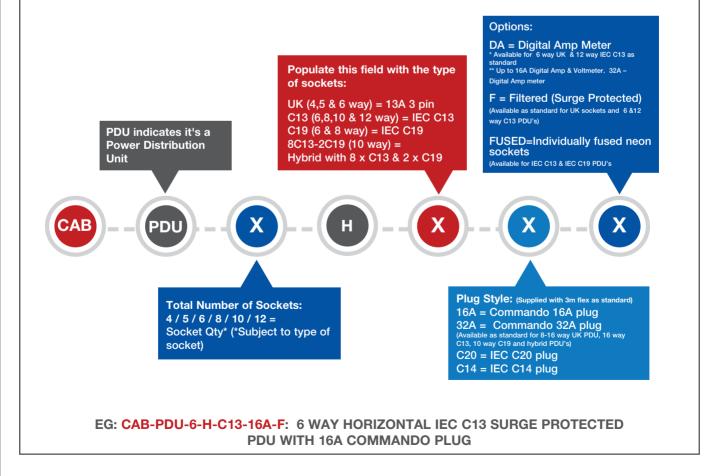
► HORIZONTAL PDUS

Power Distribution Units (PDUs) are mounted into a data/server cabinet, to provide power for the housed equipment.

- Horizontal PDUs are 1.5U in height
 - Built using a tough aluminium extrusion
 - All PDUs have a 3m power lead with 13A UK plug as standard, with other options available.
 - Optional switch cover and shrouded switch prevent the PDU from being accidentally turned on/off.



HOW TO CREATE OUR HORIZONTAL PDU PART NUMBERS PART NUMBERS



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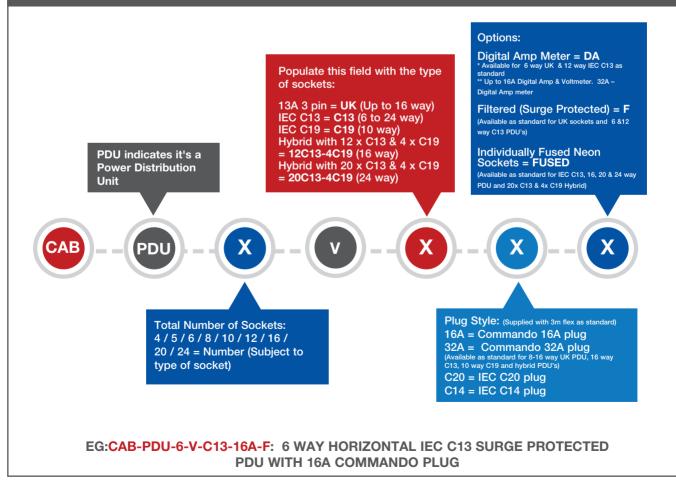
► VERTICAL PDU'S

Power Distribution Units (PDUs) are units which are mounted into a data/server cabinet, to provide power for the housed equipment. Vertical PDUs are 0U in height, as they are mounted at the rear of a cabinet, leaving more rack space for equipment.

- Built using a tough aluminium extrusion,
- > 3m power lead with 13A UK plug as standard, with other options available.
- > Optional switch with shroud to prevent the PDU from being accidentally turned on/off



HOW TO CREATE OUR VERTICAL PDU PART NUMBERS PART NUMBERS





CABLE MANAGEMENT

► CABLE TRAYS



Part No:	Description:
CAB-CT-12-150	12U 150mm Cable Tray
CAB-CT-12-300	12U 300mm Cable Tray
CAB-CT-18-150	18U 150mm Cable Tray
CAB-CT-18-300	18U 300mm Cable Tray
CAB-CT-27-150	27U 150mm Cable Tray
CAB-CT-27-300	27U 300mm Cable Tray
CAB-CT-39-150	39U 150mm Cable Tray
CAB-CT-39-300	39U 300mm Cable Tray
CAB-CT-42-150	42U 150mm Cable Tray
CAB-CT-42-300	42U 300mm Cable Tray
CAB-CT-45-150	45U 150mm Cable Tray
CAB-CT-45-300	45U 300mm Cable Tray

> PASS THROUGH PANELS



- ► Comes in both 1U & 2U Variations
- Brush strips both front and rear

Part No:	Description:
CAB-PTP-1U	19" 1U Pass Through Panel in Black
CAB-PTP-2U	19" 2U Pass Through Panel in Black

► 1U LETTERBOX STYLE BRUSH STRIP PANEL



> RING CABLE MANAGEMENT BARS



 Available in 1U, 2U & 3U variations 	3
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> Black as standard, other colours available

Part No:	Description:
CAB-BSP-1U	1U 19" Brush Strip Panel in Black
CAB-BSP-2U	2U 19" Brush Strip Panel in Black
CAB-BSP-3U	3U 19" Brush Strip Panel in Black

Part No:	Description:
CMB-4-1U-BK	1U 4 Ring Cable Management
CMB-4-2U-BK	2U 4 Ring Cable Management

METAL BLANKING PANELS



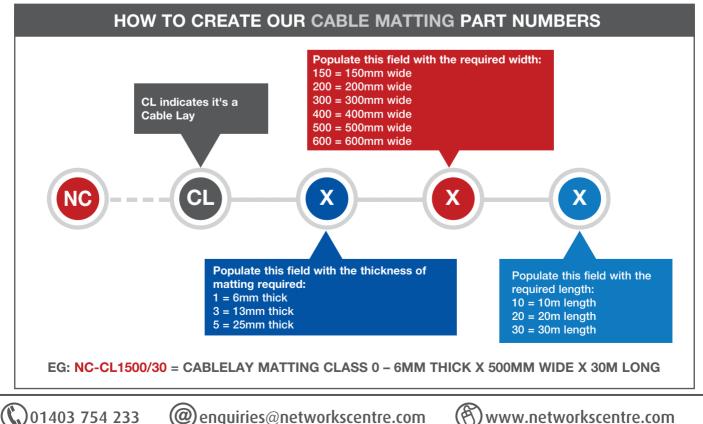
Part No:	Description:
NC-BP-1U	Black 1U Blanking Panel
NC-BP-2U	Black 2U Blanking Panel
NC-BP-3U	Black 3U Blanking Panel

CABLELAY - CABLE MATTING



Cablelay is a Class 'O' fire rated, flexible, closed cell, elastomeric, nitrile rubber. It is a highly efficient method, ideal for the use of laying Cat6 structured cabling systems under raised floors or in traditional containment infrastructures such as cable tray or a basket equivalent. Cablelay is dust free, fibre free and CFC free with an ODP of zero which means an environmentally friendly product.

Cablelay is guick and easy to install and available in various widths to complement the construction environment. It can also be manufactured to any specific width and coloured to further enhance its versatility. Closed cell structure 1.5% water absorption by volume after 28 days.



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PLINTHS

NetworksCentre.

CABINETS & POWER > Plinths

► PRISM PI DATA PLINTHS



Part No:	Description:
CAB-PL-6-6	PI Data Cabinet Plinths 600mm X 600mm X100mm
CAB-PL-6-8	PI Data Cabinet Plinths 600mm X 800mm X100mm
CAB-PL-8-6	PI Data Cabinet Plinths 800mm X 600mm X100mm
CAB-PL-8-8	PI Data Cabinet Plinths 800mm X 800mm X100mm

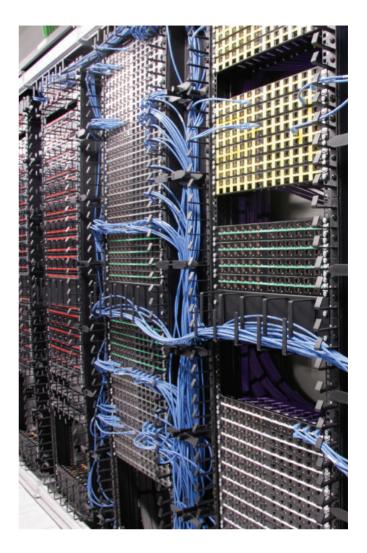
► PRISM FI SERVER PLINTHS



Part No:	Description:
CAB-FI-PL-6-10-ARM	FI 600 X 1000 Plinth With Opening Stabilising Arm
CAB-FI-PL-6-12-ARM	FI 600 X 1200 Plinth With Opening Stabilising Arm
CAB-FI-PL-8-10-ARM	Fl 800 x 1000 Plinth With Opening Stabilising Arm
CAB-FI-PL-8-12-ARM	FI 800 x 1200 Plinth With Opening Stabilising Arm

► PRISM PI SERVER PLINTHS

Part No: Des	cription:
CAB-PL-6-10-ARM	PI Server 600 X 1000 Plinth With Opening Stabilising Arm
CAB-PL-6-12-ARM	PI Server 600 X 1200 Plinth With Opening Stabilising Arm
CAB-PL-8-10-ARM	PI Server 800 x 1000 Plinth With Opening Stabilising Arm
CAB-PL-8-12-ARM	PI Server 800 x 1200 Plinth With Opening Stabilising Arm



CABINET BAYING KIT



► HEAVY DUTY CASTORS

Part	No:	

CAB-CASTOR-HD

► ADJUSTABLE CABINET FEET

Part	No:
~	

CAB-FEET

► CAGE NUTS X 50

Part No: CAGENUT50

SHELVES

NetworksCentre.

CABINETS & POWER > Shelves

► PRISM FIXED VENTED SHELVES



Part No:	Description:
CAB-SH-450-F	PI 450mm Fixed Vented Shelf
CAB-SH-570-F	PI 570mm Fixed Vented Shelf
CAB-SH-720-F-SVR	PI 720mm Fixed Vented Shelf

Available in Black, Light or Dark Grey and White.

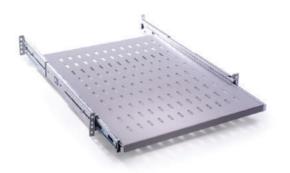
PRISM FRONT MOUNT SHELVES



Part No:	Description:
CAB-SH-200-FM	Pl 1U 200mm Front Mount Shelf
CAB-SH-300-FM	PI 1U 300mm Front Mount Shelf
CAB-SH-400-FM	PI 2U 400mm Front Mount Shelf

Available in Black, Light or Dark Grey and White.

► PRISM TELESCOPIC SHELVES



Part No:	Description:
CAB-SH-450-T	Pl 450mm Telescopic Shelf
CAB-SH-720-T-SVR	Pl 720mm Telescopic Shelf
CAB-SH-570-T	Pl 570mm Telescopic Shelf

Available in Black, Light or Dark Grey and White.

▶ PRISM ADJUSTABLE DEPTH SHELVES



Part No:	Description:
CAB-SH-ADJ	Pl 1U Adjustable Depth Shelf

Available in Black, Light or Dark Grey and White.



RARITAN



Raritan is a proven innovator of power management solutions, DCIM software, and KVM-over-IP for data centres of all sizes. In over 76 countries and 50,000 locations worldwide, Raritan's award-winning hardware and software solutions increase energy efficiency, improve reliability, and raise productivity.

Networks Centre is a stockist of Raritan PDUs and accessories ideal for all your power management, KVM and access needs. Discover the latest in technological control to aid power distribution in data servers, energy and IT devices. Raritan has a broad range of infrastructure management solutions for both domestic and commercial purposes.

► PX SERIES INTELLIGENT PDU'S

The PX Series of intelligent PDU's simplify management of power usage and environmental conditions in the data centre.

60° C

0°C

Raritan's range of PDU's offer hundreds of models to power all of your data centre applications, including models with outlet switching, individual outlet metering, high power for blade servers and high density applications, and 400V three-phase power distribution.

Providing real-time remote power monitoring, including current (amps), voltage, power (kVA, kW) and energy consumption (kWh) to +/- 1% accuracy. Compatible Raritan PDU's are also sensor ready to support rack temperature and humidity monitoring.



PDView App

Turn your tablet or phone into a remote display. Raritan's PDView app provides at-the-rack display of all critical data.

60°C (140°F) Max Temp

Although many data centres monitor cold aisle temperatures to provide optimal cooling for IT equipment, most rack PDUs are located at the rear of the rack where the exhaust temperatures from IT equipment are much higher.

Raritan's intelligent PDU's support a maximum operating temperature of up to 60°C / 140°F for reliable performance in dense high-heat environments so you can rest assured that they'll continue to operate reliably in the harshest of conditions.

400V Three-Phase Model

We offer a broad range of 400V three-phase high power models that support up to 55kW per rack PDU. Running higher voltages at lower currents means smaller and fewer cables, which use less copper, weigh less, occupy less space, and cost less. Plugs and receptacles are also less expensive at higher voltages and lower current ratings, and additional savings are achieved by eliminating voltage transformations.



Camera

Built-in support for USB cameras allow you to remotely monitor your racks or take a snapshot when doors are opened

Full Colour Chassis

In 2013 the average cost of downtime was an estimated

\$7,900 per minute with human error cited as a leading cause. Raritan's intelligent PDUs are available in ten colours that help reduce errors, and make it easier to identify power feeds, and troubleshoot, thereby lowering the risk and duration of unplanned downtime.





Use ordinary USB sticks to configure hundreds of PDUs in mere minutes. Save big on deployment time and costs.



Cascading

Easily cascade (daisy chain) multiple PDUs in a rack. Save money on IP drops, Ethernet ports, and patch ports.

Wi-Fi

Run out of network drops? No problem. With USB Wi-Fi, Raritan iPDUs can be networked without additional expense.

*PX3 Series Only



Quick Setup



► PX SERIES INTELLIGENT PDU'S



This is a small selection of our most popular lines. Call with your requirements.

Part No:	Description:
RR-PX3-5493V	1PH, 230V AC, 32A, 24 Outlets: 20 x IEC C-13, 4 x IEC C-19, plug: IEC60309, 32A, 7.36kVA, Zero U vertical PDU, Ethernet, Serial, 2 x USB-A, USB-B and Sensor Connections
RR-PX2-1190R	1PH, 230V AC, 16A, 8 Outlets: IEC-C-13, input type: IEC C-20 plug: IEC60309 16A (PXI- IE16AC19-2M), 3.68kVA, 1U Horizontal PDU, Ethernet, Serial, USB-A, USB-B and Sensor Connections
RR-PX2-2486	1PH, 230V AC, 16A, 24 Outlets: IEC C-13, plug: IEC60309 16A, 3.7kVA, Zero U Vertical PDU, Ethemet, Serial, USB-A, USB-B and Sensor Connections

Part No:	Description:
RR-PX2-1732	3PH Wye, 400V AC, 16A, 36 Outlets: 24 x IEC C-13, 12 x IEC C-19, Plug: IEC 60309 16A 3P+N+PE, 11.1kVA, Zero U Vertical PDU, Ethernet, Serial, USB-A, USB-B and Sensor Connections
RR-PX3-5528V	3PH Wye, 400V AC, 32A, 24 Outlets: 18 x IEC C-13, 6 x IEC C-19, plug: IEC 60309 32A 3P+N+PE, 22.2kVA, Zero U Vertical PDU, Ethernet, Serial, 2 x USB-A, USB-B and sensor Connections
RR-PX2-3420	1PH, 100-240V AC, 16-32A, 4 lines, input type: 4 x AC terminal, Output type: 4 x AC terminal, 1U, Ethernet, serial, USB-A, USB-B and sensor Connections USB-B and sSensor Connections

> ENVIRONMENTAL SENSORS

Optional plug-and-play environmental sensors for temperature, humidity, airflow, differential air pressure and leaks connect to a dedicated iPDU port & alert you to potential threats that can cause downtime. Contact closure sensors are also supported for use with third-party sensors, webcams, and door locks.





Part No:	Description:
RR-DPX2-T1H1	1 Temperature 1 Humidity Sensor - RJ12 Connector - Replaceable Sensor Head - 4m Cable. Supported only in PX2 and PX3 products
RR-DPX-T2H2	Dual Combo Temperature and Humidity Sensors - 10ft (3m) Cable Length and Additional 10ft (3m) Between Combination Sensors- RJ-12 Connector
RR-DPX-T1DP1	Differential Air Pressure with Temperature Sensor
RR-DPX-T3H1	Combo of Three Temperature and One Humidity Sensors (T, T+H and T) - 10ft (3m) Cable Length and Additional 10ft (3m) Between Combi Sensors- RJ-12 Connector



> TRANSFER SWITCHES – INTELLIGENT HYBRID RACK TRANSFER SWITCH

Raritan's hybrid rack transfer switch system is the first in the world to offer both electromechanical relays and silicon-controlled rectifiers (SCRs) to overcome the limitations of a traditional automatic transfer switch (ATS). It provides load transfer times that are comparable to that of a static transfer switch (STS), more energy, and at a far more accessible price point. It is also the first in the world to offer inlet, outlet, and branch circuit level power metering; and outlet-level switching for better remote power control.



Part No:	Description:
RR-PX3TS-1875R	1PH, 230V AC, 16A, 9 Outlets: 8 X IEC C-13, 1 x IEC C-19, Input: 2 x IEC 60309 16A, 3.3kVA, 1U Horizontal Transfer Switch, Ethernet, Serial, 2 x USB-A, USB-B and Sensor Connections
RR-PX3TS-1875CR	1PH, 230V AC, 16A, 9 Outlets: 8 X IEC C-13, 1 x IEC C-19, Input: 2 x IEC C-20 Locking Plug: IEC C-20 (PXI-TUV- C20C19-3M), 3.3kVA, 1U Horizontal Transfer Switch, Ethemet, Serial, 2 x USB-A, USB-B and Sensor Connections
RR-PX3TS-1469R	1PH, 230V AC, 32A, 20 Outlets: 16 X IEC C-13, 4 x IEC C-19, Input: 2 x IEC 60309 32A, 7.4kVA, 2U Horizontal Transfer Switch, Ethernet, Serial, 2 x USB-A,USB-B and Sensor Connections
RR-PX3TS-5191CR	1PH, 230V AC, 16A, 8 Outlets: 7x C13, 1x C19; Input: 2 x IEC C-20 Locking Plug: IEC C-20 (PXI-TUV- C20C19-3M), 3.3kVA; Outlet Metered/ Switched, 1U Horizontal Transfer Switch, SecureLock Ready, Ethernet, Serial, 2x USB-A, USB-B and Sensor Connections

 Relay contact air gap of 3.3mm vs. the 0.6mm gap used in most transfer switch relays on the market to prevent electric arcing

- Two single throw relays instead of one double throw relay (a single point of failure) to support reliable out-of-phase transfers
- ► Inlet, outlet, and branch circuit level metering
- ► Remote outlet switching

Features:

- Current sampling at 4,800 times per second for load transfers within 4 to 8ms
- Oversized relays, rated at 48A, and SCRs, rated at 70A, even though the transfer switches are intended for 16A and 32A loads

BCM – BRANCH CIRCUIT MONITORING



Raritan's branch circuit meter (BCM) provides real-time views of electrical capacity and power usage on branch circuits, and mains, in an electrical service entrance or a remote power panel. Anytime a circuit's current approaches a breaker's limit, the BCM sends an alert that helps prevent potential problems.

- ► Measure on 3 mains lines and on 96 Branch circuits
- Instrument distribution systems where basic rack PDU's are deployed
- ► Increase availability of power by preventing branch circuit overload
- > Manage capacity of electric service panels or remote power panels
- Easily installed in existing environments [Retrofit]
- External environmental sensor support and up to 70 power meters
- Supports up to 32 external optional sensors
- > Allocate costs to specific users, customers, and departments
- Complete, accurate view of branch circuit loading
- > Web browser accessible
- ► CE, EAC rated

Part No:	Description:
RR-BCM-2401-KIT-01	96 Channel Branch Circuit Meter Enclosure - Up to 415V 3Phase power metering with 16A Terminal input. Monitor 3Phase lines, Neutral & Ground. Metering accuracy to 0.5%. Includes intelligent controller for remote access.
RR-BCM2-9610Y-GO	96 Channel Branch Circuit Meter Enclosure - Up to 415V 3Phase power metering with 16A Terminal input. Monitor 3Phase lines, Neutral & Ground. Metering accuracy to 0.5%. No intelligent controller for remote access
RR-BCM2-250A-CT-3PK	3 x 250A Mains Split Core CT's (Primary Current 5-250A, Max Current 360A)
RR-BCM2-60A-BCT-21PK	12 x 60A Branch Circuit Split Core CT's (Primary current 1-60A, Max Current 120A)



SECURELOCK – RACK PDU LOCKING POWER CORDS

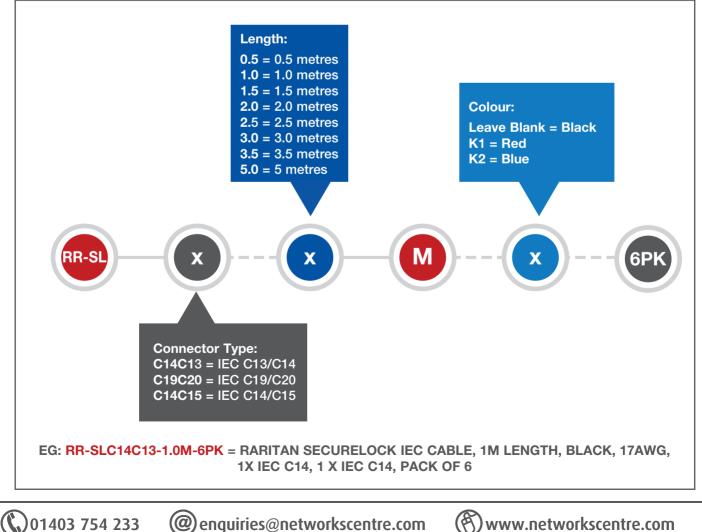
IEC outlets often fail to hold plugs as securely as data centre managers would like. Raritan's PX intelligent rack power distribution units (IPDUs) are equipped with SecureLock outlets that work with standard power leads or lock when using SecureLock power leads to prevent cables from coming unplugged.

Features:

- Male connector automatically latches to Raritan SecureLock equipped rack iPDU outlets
- ► UL Listed (N. America)
- ► CE Listed (Europe / Int'l)
- ► 105°C (221°F) max temp



HOW TO CREATE OUR SECURELOCK POWER CORD PART NUMBERS



Raritan's Asset Management Tags (AMTs) and Asset Management Sensors (AMSs), provide data centre operators an accurate, automated, real-time inventory of all IT assets and their locations, down to the 1U level.

Integrates with Raritan's data centre infrastructure management (DCIM) software to easily track assets, determine capacity in a number of areas, and manage adds, moves, or changes.

Why intelligent real-time asset management?

- ► Upward of 25% of IT assets go missing
- ► Know what you have and where it's located?
- > Detect asset moves, adds, changes
- Is your asset database (Configuration Management Database) accurate?
- > How long does it take to do a physical inventory?
- ➤ Can you pass audits?

Part No:	Description:
RR-AMS-42	Asset Management Sensor Kit for 42U height rack
RR-AMS-45	Asset Management Sensor Kit for 45U height rack
RR-AMS-50	Asset Management Sensor Kit for 50U height rack
RR-AMS-100	100 pack of Intelligent Asset Management Tags

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ritan. NetworksCentre.

> EMX SMART RACK CONTROLLER

The Raritan EMX is a central connection point for all of Raritan's environmental sensors. The EMX smart rack controller offers up to eight sensor ports, eight feature ports for Raritan's dynamic asset-tracking solution and eight RS-485 ports, all in a 1U form factor. Raritan's rack monitoring solution helps data centre and facilities managers:

- ► Minimise the hours needed to track IT assets
- Ensure uptime by monitoring racks for possible hot spots
- Save on cooling costs by confidently raising data centre temperatures
- Maintain cabinet security with USB webcams and contact closure sensors (optional extra)
- > Improve data centre uptime by receiving environment alerts
- Make strategic decisions on environmental design and modifications

Part No:	Description:
RR-EMX2-111	Smart rack controller with 1 RJ-12 sensor port, 1 RJ45 feature port for AMS, 1 RJ45 RS-485 port, 1 USB-A port, 1 USB-B port, 1 RJ45 Ethernet port, 1 DB-9M console/modem, LCD display
RR-EMX2-888	Smart rack controller with 8 RJ-12 sensor ports, 8 RJ45 feature ports for AMS, 8 RJ45 RS-485 ports, 2 USB-A ports, 1 USB-B port, 1 RJ45 Ethernet port, 1 DB-9M console/modem, 2 contact closure LCD display.



► DOMINION® LX - KVM-OVER-IP FOR SMALL TO MIDSIZE BUSINESSES

itan NetworksCentre.

► DOMINION® KX II-101 - SINGLE PORT KVM-OVER-IP SWITCH

The Raritan Dominion KX II-101 is a single port, KVM-over-IP switch that provides the secure BIOS level IP access and control of a full-featured KVM-over-IP switch in an inexpensive, portable, non-blocking, palm-size package.

It's perfect for branch offices, development test labs, and non-traditional environments like: Retail/point-of-sale displays, signage and kiosks; or temporary applications for conventions, construction, medical, and military applications.

Part No: **Description:** RR-DKX2-101-V2 Secure Single Port KVM-over-IP Switch

> Palm-size and highly portable, the Dominion KX II-101 V2 can be mounted vertically or horizontally on the side of a rack, making it ideal for small, remote locations with a limited number of servers

► Multiple Dominion KX II-101 V2 devices can be installed in a data centre, lab environment or remote offices to provide fully non-blocked, switchless access by any user to any server - even if the OS is unavailable - reducing downtime, MTTR and labour costs

Dominion[®] LX is Raritan's affordable KVM-over-IP switch that provides

IT managers in small and midsize business (SMB) environments with

It's ideal for small to midsize businesses looking for a small footprint

local and remote BIOS-level server management in 8 port and 16 port

► Dominion KX II-101 V2 features Absolute Mouse

switches (expandable to 256 servers with tiering).

and reliability with affordability

()01403 754 233



standard for mouse synchronisation

reducing travel costs

- > Economical, secure remote access from anywhere
- ► Economical footprint
- > Efficient server diagnostics and restore capabilities
- Reduced travel time and training costs
- ➤ Single switch to support VGA, DVI, HDMI and DisplayPort server video
- > Cable package options for a minimum initial investment

Part No:	Description:
RR-DLX-108	8 Port KVM over IP Switch, 1 remote,1 local user, virtual media, single power & single LAN
RR-DLX-116	16 Port KVM over IP Switch, 1 remote,1 local user, virtual media, single power & single LAN
RR-DLX-216	16 Port KVM over IP Switch, 2 remote, 1 local user, virtual media, single power & single LAN





> Virtual media gives users the ability to transfer files for patches and

upgrades from any location, speeding up the upgrade process and

> Dominion KX II-101 V2 also provides a greater level of security than

other remote access methods, feature-rich management functionality

and the highest guality video available, all over an IP network







► DOMINION® KX III USER STATION

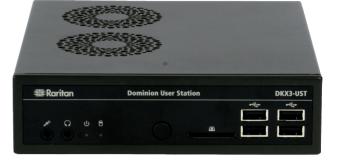
The Dominion[®] KX III User Station is a standalone appliance for high performance IP access to servers connected to Dominion® KX III switches. It can sit on a desk, be mounted in a standard 19" rack or VESA-mounted on the back of a monitor. Deploy it using standard Cat5e cabling and Ethernet/IP technology. Simultaneously access, view, and control multiple servers, spread across single or dual monitors.

The User Station can replace outdated analogue matrix switches, replace/supplement expensive, inflexible broadcast systems or be deployed anywhere hassle-free IP access is needed. It's perfect for broadcast labs, studios, control rooms, offices, and data centres.

Description:

Part No:

RR-DSX3-USER Standalone appliance for high performance IP access to servers connected to the Dominion KXIII switches, Desk, rack (optional 1U bracket) or VESA mounted on back of monitor



► DOMINION® KX III SWITCH

The Dominion KX III is Raritan's flagship enterprise-class KVM-over IP switch. It provides 1, 2, 4 or 8 users with BIOS-level remote management of 8, 16, 32 or 64 servers in a single switch. It's perfect for Server Rooms, Test Labs, and Large Enterprise Data Centres. The KX III switch offers high performance web-based remote management of servers, storage, and network devices. The KX III can be deployed individually, or centralised with Raritan's CommandCenter Secure Gateway.

With standard features such as DVI/HDMI/DisplayPort digital video. VGA analogue video, audio, virtual media, smart card/CAC, and mobile access, the Dominion KX III switch is suitable for both general computer and dynamic broadcast applications when used in conjunction with the KXIII User Station.



Part No:	Description:
RR-DKX3-XXX	Enterprise-class KVM-over-IP switch providing 1 to 8 users with remote BIOS-level server control of 8 to 64 servers with DVI/HDMI/DisplayPort digital and analog video, audio,virtual media, smart card/CAC, blade server support, and mobile access

- Х = Number of Users (1,2,4,8)
- XX = Number of Ports (08,16,32,64)

► DOMINION® SX II - NEXT GENERATION SERIAL CONSOLE SERVER



The Dominion SX II is Raritan's next-generation serial console server / terminal server. It provides serial-over-IP access and control of devices, anytime, anywhere. It's the most powerful, secure, reliable, and easy-to-use console server on the market. Enjoy unrivaled control over servers, networking devices, security appliances, rack PDUs, virtual hosts, and wireless / telecom equipment.

The SX II supports the widest variety of serial-over-IP connections via SSH/Telnet Client, web-browser, CommandCenter, telephony modem, cellular modem, and at-the-rack access. Raritan offers thirteen different 1U appliances to connect to 4, 8, 16, 32 or 48 serial devices. All models have dual power supplies (AC or DC) and dual Gigabit Ethernet LAN ports.

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- > Powerful 1GHz CPU engine, with an 8-fold increase in RAM
- ► 4, 8, 16, 32 and 48 port 1U secure appliances (optional telephone modem)
- ► Flash memory, up to 8 GB, for storage and logging
- > Dual power supplies and dual gigabit Ethernet LAN ports, with automatic failover

SUNBIRD



DCIM is a new class of software that gives data centre operators the ability to run efficient data centre operations. It provides the ability to better manage assets, change and capacity. DCIM software also enables power monitoring, environmental monitoring and energy management.

DC TRACK - DCIM SOFTWARE



Sunbirds DCIM Operations software, dcTrack[®] is an award-winning, easy-to-use data centre infrastructure management (DCIM) solution that provides real-time information about your power, networks and IT equipment. It offers a visual mapping of your infrastructure and helps you to manage the physical provisioning of IT equipment, improve capacity planning, and keep track of data centre space, power, data connectivity and their relationships to IT equipment, applications and services.

Capacity Management

Sunbirds dcTrack DCIM Solution provides you with complete and accurate views of capacity, including physical space, power and network ports available in racks, plus the capacity of infrastructure devices like UPSs, CRACs, and circuit panels. With a centralised database that includes all connection and capacity information, you no longer need to run back and forth to the data centre.

Power and Energy Management

Seamless integration with Power IQ, Sunbirds DCIM software for complete data centre power monitoring. Power IQ provides a clear picture of available power, energy and environmental trends and helps operators to improve data centre energy efficiency.

HP OPENVIEW

IBM. Tivoli. software



Asset Management

Accurate real-time views of your entire data centre including servers, storage, networking equipment, rack PDUs, patch panels and applications. See floor PDUs, branch circuit panels, UPSs and CRAC units. Map physical relationships between all of these devices and see how the entire power and network chain in the data centre is connected down to the port level.



Change Management

servicendw

bmcsoftware

Powerful and intelligent tools for workflow automation enable you to generate change requests, automate device moves, and maintain a complete audit trail of requests and work orders for compliance. It enables you to maintain best practices, improve operational efficiency, and people productivity.



> POWER IQ - DCIM MONITORING SOFTWARE

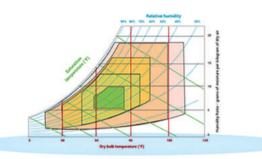


Sunbirds DCIM Monitoring Software, Power IQ® enables data centre and facility managers to closely monitor and efficiently utilise their existing data centre power infrastructure. Data centre health maps, power analytics, cooling charts and reports provide the tools to alert you to potential trouble and understand real-time power load, trends, and capacity at all levels of infrastructure. A configurable dashboard provides vendor agnostic views of power capacity, environmental health and energy consumption.

Sunbird[®] NetworksCentre.

Environment Management

Power IQ offers a complete environmental management solution that not only helps you identify potential trouble areas, but also helps you save energy and maintain a safe environment for your IT equipment. Our DCIM monitoring solution combines the power of Raritan's PX® intelligent rack PDUs or EMX environment appliance designed to work with Raritan's plug-and-play environment sensors – temperature, humidity, air flow and air pressure. See trends, get alerts, save energy, and increase uptime.



Energy Management

Understand what is drawing energy in your facility and find ways to save – while maintaining a safe environment for your IT equipment. With built in ASHRAE cooling charts and Smart Rack views, Power IQ monitors and measures all the energy usage in your facility including building meters, UPS's, Floor PDU's, RPP's, busways, intelligent rack PDU's, Branch Circuits, and CRACS. Increase data centre temperature without risk, calculate Green Grid's PUE Level 1, 2 and 3, and drive your green data centre and sustainability initiatives with bill-back reports.



Vendor Agnostic Management

Through one Web browser, the scalable Power IQ DCIM monitoring software manages any SNMP-metered device. You have the ability to add new devices on your own. Support is preinstalled and tested for APC[®], Avocent[®], BayTech[®], Cyber Switching[®], Cyclades[®], Eaton, Geist, HP[®], Knurr®, Liebert, MRV[®], NetBotz, Raritan, Rittal[®], Server Technology[®], Sinetica, Starline Track Busway, Tripp Lite and UNITE™devices. Dynamic plugins provide added support for other manufacturer CRAC units, Floor PDU, Floor UPS, Power panel, Rack PDU, and standalone meters.



Power Management

See how much power you're using at a moment's notice, down to individual servers, when coupled with PX® intelligent rack PDUs with individual outlet metering. Our enterprise class power monitoring software has been battle-tested in some of the largest data centres in the industry. An intuitive configurable dashboard provides power utilisation trends and capacity across your power chain, locates stranded power, and improves data centre uptime.





Ensuring the availability of high-quality power for critical applications.

With its wide range of continuously evolving products, solutions and services, Socomec are recognised experts in the cuttingedge technologies used for ensuring the highest availability of the electrical power supply to critical facilities and buildings, including:

- Static uninterruptible power supplies (UPS) for high-quality power free of distortions and interruptions occurring on the primary power supply
- > Changeover of static, high availability sources for transferring the supply to an operational back-up source
- > Permanent monitoring of the electrical facilities to prevent failures and reduce operating losses
- > Energy storage for ensuring the proper energy mix of buildings and for stabilisation of the power grid



► STEPWAVE UPS

- Single phase input/output range.
- This Socomec UPS System has battery, 4+2 ouput, BS STD Socket, 1xUSB and mobile device charging.
- The 800VA/480W & 600VA/360W UPS comes standard with USB ports.
- The Socomec UPS System is available with an overload and deep discharge functionality.
- > The device includes short curcuit protection.
- The Socomec UPS is designed for cash registers, interactive terminals and PC's.
- Compatible with LCD or CRT monitors, scanners and printers.
- Networks centre is a premier UPS supplier of Socomec solutions including Line Interactive and Online UPS devices.

► NETYS PE SERIES 600-2000 VA UPS



▶ From 600 to 2000 VA. Practical and cost-effective UPS

The solution for

- CAD, graphic workstations
- Multimedia workstations and peripherals
- LCD screens and monitors

)01403 754 233

POS (Points of Sale)



Part No:	Description:
SOC-NPL-0800-B	Socomec 800VA/480W 230V 50/60HZ Stepwave Offline UPS
SOC-NPL-0600-B	Socomec 600VA/360W 230V 50/60HZ Stepwave Offline UPS

Advantages

- ► Ideal and cost-effective protection for SOHO or POS applications
- Adapted to protect IT applications in home, office and retail environments.
- A complete range of six models to adapt the power to the equipment's consumption or to required back-up time.

Easy to use

 Control panel with graphical icons LCD / LEDs allowing the operating mode to be easily monitored.

Part No:	Description:
SOC-NPE-0850	850VA/480w 230v 50/60HZ Battery Included with AVR, Stepwave Plugs Protected RJ45, 1 x USB
SOC-NPE-1000-LCD	1000VA/600w 230v 50/60HZ Battery Included with AVR, Stepwave, LCD Plugs Protected RJ45, 1 x USB
SOC-NPE-1500-LCD	500VA/900w 230v 50/60HZ Battery Included with AVR, Stepwave, LCD Plugs Protected RJ45, 1 x USB
SOC-NPE-2000-LCD	2000VA/1200w 230v 50/60HZ Battery Included with AVR, Stepwave, LCD Plugs Protected RJ45, 1 x USB

Socomec Innovative Power Solutions NetworksCentre.

▶ NETYS PR SERIES RACK TOWER 1700 TO 3300 VA UPS

- ▶ From 1700 to 3300 VA Rack/Tower
- ► Versatile, convertible high performance UPS

The solution for

- ► Professional and IT equipment
- > Servers and networking devices
- > CAD/ Graphic workstations with monitors and peripherals
- ► Control systems

Advantages

A secure and professional supply continuity

- Ideal solution for protecting small servers, networking devices and peripherals
- > Assures service continuity to critical applications
- Designed for professional applications: the sinevawe inverter technology assures full compatibility with any kind of load and power supply



Part No:	Description:
SOC-NPR-1700-RT	1700VA/1350w 230v 50/60HZ with AVR, Sinewave, LCD Plugs Protected RJ45, 1XUSB, 1XRS232 Battery Included
SOC-NPR-2200-RT	2200VA/1800w 230v 50/60HZz with AVR, Sinewave, LCD Plugs Protected RJ45, 1XUSB, 1XRS232 Battery Included
SOC-NPR-3300-RT	3300VA/2700w 230v 50/60HZ with AVR, Sinewave, LCD Plugs Protected RJ45, 1XUSB, 1XRS232 Battery Included

► NETYS RT SERIES 1.1 TO 11 KVA UPS





- ► Simple to install
- IEC input and output connections (1100-3000 VA) or terminal input and output connections with built in magneto thermal input switch (5000-11000 VA).
- > Compact footprint for installation in rack cabinets.
- Attractive design.

Easy to use

- ► No configuration necessary on first startup
- Wide range of communication protocols for integration into LAN networks or Building Management Systems (BMS)
- Clear LED interface with buzzers that immediately indicate the operating status of the UPS, even for less specialist users (1100 - 3000 VA)
- ► LCD display with menu available in 6 languages (5000-11000 VA)

Meets practical needs

- Online double conversion technology with sinusoidal waveform, completely filters out all disturbances from / to the mains power supply and ensures maximum protection of the utility
- Modular battery extension (EBM) to meet all back-up time requirements, even after installation
- Possibility of 1+1 parallel redundant configuration to maximise the availability of critical utilities, even in the event of a module breakdown (5000 -11000 VA)

Part No:	Description:
SOC-NRT-U1700	1700VA/1200w 230v 50/60HZ On-Line Double Conversion (VFI) tel line protection, 1XUSB, 1XRS232 Battery Included
SOC-NRT-U2200	2200VA/1600w 230v 50/60HZ On-Line Double Conversion (VFI) tel line protection, 1XUSB, 1XRS232 Battery Included
SOC-NRT-U3000	3000VA/2100w 230v 50/60HZ On-Line Double Conversion (VFI) tel line protection, 1XUSB, 1XRS232 Battery Included
SOC-NRT2-7000K	7000VA/5400w 230v 50/60HZ On-Line Double Conversion (VFI) built-in web/ somp 1XBS232 Battery lock ided

Socomec NetworksCentre.

► NETYS PR SERIES RACK VERSION - 1000 TO 1500 VA UPS



SOC-NET-1500-PR-1U 1500VA/1000w 230v 50/60HZ with

Part No:

Applications

- Professional and IT equipment
- Servers and networking devices
- > CAD / graphic workstations with monitors and peripherals
- ► Control systems

A professional UPS

 Designed for professional environments, protection against power cuts and over voltage is ensured by Line Interactive technology with Automatic Voltage Regulation (AVR)

Installation adapted to the networking environment

- NETYS PR rack provides high power density (1U 45 mm) which conserves valuable space in the rack for other equipment
- Can be easily installed in 19" and 23" Rack cabinets, depending on the user's needs. The UPS is provided with rails and mounting accessories

► NETYS PR SERIES MINI TOWER - 1000-2000 VA UPS

AVR, Sinewave Plugs Protected

RJ45,1XUSB, 1XRS232 Battery Included 1U Rack Version

Description:



The solution for

- Professional and IT equipment
- Servers and networking devices
- > CAD/ Graphic workstations with monitors and peripherals
- ► Control systems

Proffessional Line Interactive UPS

- Ideal solution for protecting small servers and high performance CAD or graphic workstations
- > Assures service continuity to critical applications
- Designed for professional applications: the sinevawe inverter technology assures full compatibility with any kind of load and power supply
- Minitower case to easily fit close to the IT load to be supplied and protected

Solution for network power cuts and fluctuations

The integrated AVR function (Automatic Voltage Regulation) stabilizes the output voltage and avoids the switching to Battery Mode operation, therefore saving the battery to support critical power cut events

Part No:	Description:
SOC-NPR-1000-MT	1000VA/700w 230v 50/60HZ with AVR, Sinewave, LCD Plugs Protected RJ45,USB Battery Included
SOC-NPR-1500-MT	1500VA/1050w 230v 50/60HZ with AVR, Sinewave, LCD Plugs Protected RJ45, USB Battery Included
SOC-NPR-2000-MT	2000VA/1400w 230v 50/60HZ with AVR, Sinewave, LCD Plugs Protected RJ45, USB Battery Included

EATON POWER





Every data centre is unique, reflecting the needs of each individual business. Data centres continually change to serve shifting priorities, applications and advancing computing technologies. Selecting the correct power protection solution is critical to ensuring the flexibility and scalability needed for data centre growth. That's why Eaton is focused on providing the power solutions for enterprise and business information technology (IT) systems, from network closets to large data centres.

The latest range of Eaton UPS delivers the security Eaton products are known for but at the reduction in energy usage and cost to meet your needs:

► EATON 5P UPS (650-1550 VA)

The Eaton 5P is the next generation of 650VA-1550VA line-Interactive UPS with advanced LCD and energy metering feature. 5P is the perfect UPS to protect IT & networking devices such as servers, switches, routers and storage devices, in tower or rack format.

- > Next-generation graphical LCD display (7 languages)
- ► Energy efficient (up to 98% efficiency)
- ► Energy metering
- > Advance Battery Management (ABM)
- ► Switched outlet groups
- ► Sinewave output
- Wide communication offer (compatible with virtual environment)
- > 3 years warranty on electronics, 2 years on batteries



Part Number	Description	Run Time 100%/ 50% 0.7pf	Power Rating VA / Watts	Input plug	Output sockets
UPS (Tower)					
ETN-5P650I	EATON 5P 6501	9/6 MIN	650 / 420	C14	(4) C13
ETN-5P850I	EATON 5P 8501	12/7 MIN	850 / 600	C14	(6) C13
ETN-5P1150I	EATON 5P 1150	12/7 MIN	1150 / 770	C14	(8) C13
ETN-5P1550I	EATON 5P 1550	13/8 MIN	1550 / 1100	C14	(8) C13

Part Number	Description	Run Time 100%/ 50% 0.7pf	Power Rating VA / Watts	Input plug	Output sockets
UPS (Rack Mount)					
ETN-5P650IR	Eaton 5P 650i Rack1U	9/6 MIN	650 / 420	C14	(4) C13
ETN-5P850IR	Eaton 5P 850i Rack1U	12/7 MIN	850 / 600	C14	(4) C13
ETN-5P1150IR	Eaton 5P 1150i Rack1U	12/7 MIN	1150 / 770	C14	(6) C13
ETN-5P1550IR	Eaton 5P 1550i Rack1U	13/8 MIN	1550 / 1100	C14	(6) C13

Part Number	Description
Eaton 5P Accessories	
ETN-NETWORK-MS	Eaton Network Management Card
ETN-MBP3KIB	Eaton HotSwap MBP BS
ETN-MBP3KI	Eaton HotSwap MBP IEC
ETN-MBP3KIH	Eaton HotSwap MBP HW



► EATON 5PX UPS (650-1550 VA)

Combining extended runtime capabilities and exceptional efficiency, the Eaton 5PX UPS is a powerful enterprise class backup solution. It provides line-interactive backup power and scalable runtimes for servers, storage systems, VoIP gear and network equipment. With a next-generation intuitive LCD display, energy consumption metering down to the outlet group level, and up to 99% efficiency, the 5PX is the perfect UPS to protect modern IT equipment.



- Available in a rack/tower convertible version pedestal and rail kits included.
- > Fully integrates with Intelligent Power Software Suite
- Stronger, longer battery life: Eaton ABM battery management technology only recharges the battery when necessary. Service life is prolonged by up to 50%.
- Hot-swappable batteries. Optional, hot-swap maintenance bypass module to replace the entire UPS.
- Add more runtime with up to four external hot-swappable battery modules (EBM's),
- Advanced integration with virtualization platforms from VMware, Citrix, Red Hat and Microsoft
- > Full array of communications capabilities with bundled network card
- Optimum protection for NetApp and Cisco ExpressPod convergedinfrastructure platform
- > 3 years warranty on electronics, 2 years on batteries

Part Number	Description	Run Time 100%/ 50% 0.7pf	Power Rating VA / Watts	Input plug	Output sockets
ETN-5PX1500IRTN	Eaton 5PX 1500VA Netpack*	11/9	1500 / 1350	C14	(8) C13
ETN-5PX2200IRTN	Eaton 5PX 2200VA Netpack*	15/8	2200 / 1980	C20	(8) C13, (1) C19
ETN-5PX3000IRTN	Eaton 5PX 3,000VA Netpack*	14/9	3000 / 2700	C20	(8) C13, (1)C19

*Network Card included in Netpack version

Part Number	Description
Battery Packs	
ETN-5PXEBM48RT	Eaton 5PX 1500VA & 2200VA EBM
ETN-5PXEBM72RT3U	Eaton 5PX 3000VA EBM 3U
ETN-5PXEBM72RT2U	Eaton 5PX 3000VA EBM 2U

Part Number	Description
ETN-NETWORK-MS	Eaton Network Management Card
ETN-MBP3KIB	Eaton HotSwap MBP BS
ETN-MBP3KI	Eaton HotSwap MBP IEC
ETN-MBP3KIH	Eaton HotSwap MBP HW
ETN-EMP001	EMP Environmental Monitoring Probe





► EATON 9PX UPS (3KVA - 11KVA)

The Eaton 9PX UPS provides energy-efficient power protection for small & medium data centres, IT rooms and infrastructure. Delivering double conversion protection with 40% less energy usage and 28% more power 9PX is the perfect UPS for IT and Facility managers that are concerned by energy cost and are looking for next generation power protection solutions.

- Efficient: First in class with Unity Power Factor. Monitors power > conditions constantly maintaining and regulating voltage and frequency
- > Compact: Compact rack/tower versatile form factor, delivering up to 5.4Kw in only 3U and 10kW in only 6U
- > Reliability: With extended battery runtime options, hotswappable batteries, internal bypass and optional maintenance bypass, the 9PX maximizes the availability of your IT systems.
- More power: The 9PX allows you to connect more devices by > providing up to 28 percent more wattage compared to traditional UPSs
- 3 years warranty on electronics, 2 years on batteries >



Part Number	Description	Run Time 100% / 50% 0.7pf	Power Rating VA / Watts	Input plug	Output sockets
UPS - 9PX RACK					
ETN-9PX3000IRTN	Eaton 9PX 3000i RT2U Netpack*	9.5/3.0	3000 / 3000	C20	8 X C13 & 2 X C19
UPS - 9PX 1:1					
ETN-9PX5KIBP	Eaton 9PX 5000i HotSwap*	13/10	5000 / 4500	1PH HARDWIRED	TB, (4) C13 ,(2) C19*
ETN-9PX5KIRTN	Eaton 9PX 5000i RT3U Netpack	13/10	5000 / 4500	1PH HARDWIRED	TB, (4) C13 ,(2) C19
ETN-9PX6KIBP	Eaton 9PX 6000i HotSwap	11/8	6000 / 5400	1PH HARDWIRED	TB, (4) C13 ,(2) C19*
ETN-9PX6KIRTN	Eaton 9PX 6000i RT3U Netpack	11/8	6000 / 5400	1PH HARDWIRED	TB, (4) C13 ,(2) C19
ETN-9PX8KIBP	Eaton 9PX 8000i HotSwap	20/15	8000 / 7200	1PH HARDWIRED	1PH HARDWIRED**
ETN-9PX8KIRTNBP	Eaton 9PX 8000i RT6U HotSwap Netpack	20/15	8000 / 7200	1PH HARDWIRED	1PH HARDWIRED**
ETN-9PX11KIBP	Eaton 9PX 11000i HotSwap	13/9	11000 / 10000	1PH HARDWIRED	1PH HARDWIRED**
ETN-9PX11KIRTNBP	Eaton 9PX 11000i RT6U HotSwap Netpack	13/9	11000 / 10000	1PH HARDWIRED	1PH HARDWIRED**

Part Number	Description	* when Hotswap Maintenance Byp. block + 3 x C13 & 2 x C19
Battery Packs		** when Hotswap Maintenance By:
ETN-9PXEBM72RT2U	Eaton 9PX EBM 72V RT2U 2.2kVA & 3kVA	block + 4 x C19 Netpack Versions include Network-
ETN-9PXEBM72RT3U	Eaton 9PX EBM 72V RT3U 2.2kVA & 3kVA	HotSwap versions include HotSwap Hotswap Netpack Versions include
ETN-9PXEBM180	Eaton 9PX EBM 180V 5kVA & 6kVA	and Rail Kit
ETN-9PXEBM240	Eaton 9PX EBM 240V 8kVA & 11kVA	
Eaton 9PX Accessories		
ETN-NETWORK-MS	Eaton Network Management Card	
ETN-EMP001	EMP Environmental Monitoring Probe	

bass is used Outputs are: Terminal

pass is used Outputs are: Terminal

<-MS card and Rail Kit

ap MBP, but no rail kit

es HotSwap MBP Network-MS card



► EATON EPDU G3 PLATFORM

The ePDU G3 platform is designed to provide reliable, cost effective power distribution together with highly accurate monitoring and control for IT equipment in the data centre. This Industry-leading platform enables you to:

- > Reliably distribute power to your IT equipment
- > Accurately meter and control power consumption
- See where you have available power and are most efficient
- Choose the level of metering to provide the level of information that you require
- Choose equipment switching to allow remote data centre control

Part Number	Description
IP Metered Output IEC G3	
ETN-EMOB22	ePDU: Metered Outlet IEC, zero U. In: C20 16A 1P - Out C13 (20) : C19 (4)
ETN-EMOB05	ePDU: Metered Outlet IEC, zero U. In: IEC 32A 1P - Out C13 (20) : C19 (4)
IP Switched IEC G3	
ETN-ESWB22	ePDU: Switched IEC, zero U. In: C20 16A 1P - Out C13 (20) : C19 (4)
ETN-ESWB05	ePDU: Switched IEC, zero U. In: IEC 32A 1P - Out C13 (20) : C19 (4)
IP Managed IEC G3	
ETN-EMAB22	ePDU: Managed IEC, zero U. In: C20 16A 1P - Out C13 (20) : C19 (4)
ETN-EMAB05	ePDU: Managed IEC, zero U. In: IEC 32A 1P - Out C13 (20) : C19 (4)



► EATON ATS - POWER SOURCE TRANSFER SWITCH

Eaton ATS are designed to provide power supply redundancy for single connection equipment. With ATS, power from two independent sources can be supplied to IT equipment, which have only one input power supply.

- > The ATS 16 Netpack and ATS 30 provide network connectivity.
- > Metering and basic configuration capabilities are possible through
- ► ATS 16's LCD.
- ▶ Input connections (2 x IEC C20)
- Outputs (8 x IEC C13 + 1 x IEC C19)

Part Number	Description
ETN -EATS16	Eaton Power Source Transfer Switch ATS 16A
ETN -EATS16N	Eaton Power Source Transfer Switch ATS 16A Netpack
ETN -EATS30N	Eaton Power Source Transfer Switch ATS 30A Netpack



Since we Got Smart and deployed Versiv™ and Linkware™ Live...

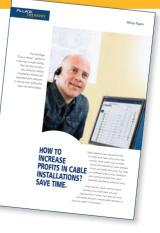
Life is Easy!



DOWNLOAD the new "How to increase profits in cable installations? Save time." White Paper.

Scan the QR Code to find out...





TOOLS, SPLICING & LABELLING

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CUTTERS

NetworksCentre.

► RIPLEY FIBRE OPTIC KEVLAR CUTTER



- > Designed to cut Kevlar strength members in fibre optic cables
- > Powerful quick cutting action
- > Full serrated edge for consistent, fast and clean cuts
- ► Lightweight and compact
- > Return spring designed for precise repeated cuts
- > Ergonomic handles with cushioned non-slip grips
- Made of high carbon steel specially treated for long life and trouble free cuts

Part No:	Description:
TO-FOKC	Kevlar Cutters

► CABLE CUTTER FOR COPPER & FIBRE



- > Used for cutting fibre and copper cables
- Curved blade design enhancing cutting action and prevents cable from crushing
- > Can be locked shut to help protect blades

Part No:	Description:
TO-HT-206	Cable Cutter for Copper and Fibre up to 10.5mm

► PRECISE COPPER WIRE SIDE CUTTER



- ► Precision cutter for copper cables
- ➤ The blades will enable copper cores to be trimmed accurately and flush

Part No:	Description:
TO-HT-222	Precise Electrical Wire Side Cutter

KEVLAR SCISSORS



 Hardened steel Kevlar scissors with serrated edge blade for efficient removal of Kevlar from cables

Part No:Description:TO-HT-C151Kevlar Scissors

► JACKET STRIPPING AND SLITTING TOOL



- > Jacket slitting and ringing tool for 4.5mm to 25mm diameter cables.
- > Adjustable height cutting blade for different sheath thickness
- > Cuts horizontally and longitudinally for end or mid-span jacket removal

Part No:	Description:
TO-HT-325	Jacket Stripping and Slitting Tool 4.5mm to 25mm

TRI-HOLE BUFFER STRIPPER



- > Tri-Hole fibre stripper ideal for use in fibre preparation
- > Precision cutting blades for 2-3mm jacket cable, 900um buffer and 250um buffer
- > Comfortable handles and a lock for the protection of the blades

Part No:	Description:

TO-HT-S144H Tri-hole Buffer Stripper for 250um-900um-3mm

▶ PEG STRIPPER



- > Peg style universal stripping tool with adjustable blade for cables of 3.2mm to 9mm
- > Includes cutting blade for copper cables and dual cutting blade ideal for duplex cable

Part No:	Descrip
TO-HT-S501B	Peg Strip Stripper,

otion:

pper 3.5mm to 9mm, Duplex Cable Cable Cutter

► MILLER FIBRE OPTIC STRIPPING TOOL



- ➤ For stripping 250 micron buffer coating from 125 micron optical fibre
- Precision diameter hole and V-opening in blade allows for accurate buffer coating removal
- > Factory set, requires no adjustment
- > Prevents scratching or nicking of optical fibre
- ➤ All cutting surfaces are precision formed, hardened, tempered and ground, assuring precise buffer removal

Part No:	Description:
TO-FO-103-S	Miller Fibre Optic Stripper FO-103-S (80355)
TO-FO-103-T-250-	J Miller Tri-Hole Stripper

CRIMPERS

► CRIMP TOOL



- Rugged Crimp Tool for most standard fibre optic connectors including LC, SC, ST and FC
- It has a ratchet mechanism ensuring a good quality consistent crimp is performed with every operation

Part No:	Description:
TO-HT-336J	Crimp Tool for ST-SC-FC-LC

► RJ45 CRIMPING TOOL



 Ratchet mechanism to ensure a good quality consistent crimp is performed with every operation

Part No: Description:

TO-HT-568R RJ45 Crimping Tool with Cutter





CLEAVING PLATE



- > Used for removing the fibre sprig during connector terminations
- ► Made from ceramic
- ► Dimensions 50mm square
- ► Two sides ground down to form cutting edge
- > Supplied with plastic guard to protect cutting edge

Part No:	Description:
CP-UNI	Ceramic Fibre Cleave Plate (stripper F780-136-000)

CARBIDE TIP FIBRE OPTIC SCRIBE



- ➤ The CS-30-W is a 30-degree wedge-tip carbide scribe 3.8mm wide for long life and simple fibre termination
- > Housed in a rugged, anodized aluminum casing 112mm long and 25mm in diameter
- ➤ The CS-30-W includes a convenient pocket clip. Protective "squeeze and pull" cap for easy and quick tool selection



Part No:	Description:
CS-30-W	Ripley Carbide Scribe

SCRIBES

CARBIDE SCRIBE



- ➤ Pen style carbide scribe
- > Complete with protective lid for blade
- > The wedge shape provides a more durable longlasting edge
- > Features a pocket clip for convenience

Part No:	Description:
TO-HT-MJ018A	Carbide Scribe

POLISHING PUCKS

NetworksCentre.

> 2.5MM AND 1.25MM STAINLESS STEEL POLISHING PUCKS



RIPLEY

- ► High quality hand polishing disc for fibre optic connectors
- "Universal" design fits most 2.5mm ferrule connectors including: ST, SC and FC connectors
- Inside and outside rims designed for improved hand positioning while performing the polishing operation
- Channelled, raised base allows debris to escape easily and provide easy polishing action
- > Precision machined stainless steel design for long life
- ► Diameter: 194 inches (492mm)
- ➤ Weight: 15oz (43g)
- Available for LC connectors (aluminum disc for 1.25mm ferrule LC connectors)

Part No:	Description:
PUCK-2.5M	2.5mm Polishing Puck
PUCK-1.25M	1.25mm Polishing Puck

UNIVERSAL POLISHING PUCKS



- > Universal metal polishing pucks for polishing fibre connectors
- "Universal" design fits most 2.5mm ferrule connectors including: ST, SC and FC connectors (LC 1.25mm ferrule connectors require TO-HT-MMB020)

Part No:	Description:
TO-HT-MMB005	2.5mm Universal Polishing Puck, Metal
TO-HT-MMB020	1.25mm Universal Polishing Puck

PUNCHDOWN

IMPACT PUNCHDOWN TOOL

- Ergonomically designed punch down tool with variable impact pressure and built in hook and tracer
- ► Blades are interchangeable
- > Storage for spare blade available in the handle

Part No:	Description:
TO-HT-364BKR	Impact Punch Down Tool with Krone style Blade
TO-HT-364BR	Impact Punch Down Tool with 110 Blade
TO-HT-3133B	Impact Punch Down Tool with Krone style & 110 Blades
TO-HT-14TB	110 Style Blade for Impact Punch Down Tool
TO-HT-14TBK	Krone Style Blade for Impact Punch Down Tool





► JACKRAPID[™]



JackRapid[™] is a patented jack termination tool that saves time and increases accuracy by seating and terminating all wires at once with a simple squeeze of the handle. JackRapid[™] allows you to terminate jacks eight times faster than traditional impact tools - with accuracy that's unmatched. The built-in blade cuts off the excess wire after it is seated in the connector, eliminating the need for a secondary trim step. Simple, one-handed operation, with an ergonomically designed handle, reduces hand fatigue.

NENCO EASY TOOL



- ➤ With JackRapid[™], you'll never punch into the palm of your hand or through drywall again
- Cuts installation time easy to use handle, seats and cuts all wires at once, saving you up to 1 minute installation time per jack
- ► High quality, consistent terminations
- Simple, one-handed operation with an ergonomically designed handle
- > Unique design easily accommodates close-to-wall installation
- > Replaceable blade head for use with multiple jack types

Part No:	Description:
JR-PAN-2	Jackrapid™ Panduit Termination Tool (Panduit™ NK688M, NKP5E88M)
JR-SYS-2	Jackrapid™ Systimax Termination Tool (Systimax MGS400, MGS500, MFP420, MFP520)

The Nenco 4 Pair termination tool is a robust, reliable product that offers fast, faultless gas-tight termination of all four pairs of solid cable simultaneously. The termination tool frame is manufactured of high grade steel and is used with die-cast termination heads.

Designed specifically for use with Nenco 90 degree Keystone style jacks, the tool frame is supplied ready to use with C5e or C6 UTP jacks.

Operation is simple and efficient. Lace the wires onto the Nenco Jack with the cable entry at 90 degrees. Seat the jack onto the termination head. Firmly squeeze the handles of the frame. The tool also features an RJ45 crimping die within the handle so 2 functions are available in one tool.

Part No:	Description:
NNEASYTOOL	NENCO 4 Pair Termination Tool

INSPECTION SCOPES

FIBRE INSPECTION MICROSCOPES



Rugged, hand held microscope for viewing connector end faces. Available as x200 magnification or x400 magnification for viewing either singlemode or multimode connectors. Supplied as standard with 2.5mm universal ferrule adaptor, 1.25mm adaptor also available.

Part No:	Description:
AWT-OS-400	AWT FOMS Inspection Microscope 400 Magnification 2.5mm Uni Adaptor
AWT-AD-LC	LC Adaptor for AWT Microscope
AWT-AD-SC/ST	SC-ST Adaptor for AWT Microscope

► HOBBES FIBRE CHECKER PRO

The FC-2005 Fibre Checker Pro is used for checking the defects of a fibre cable. It sends a visible 650nm wavelength red laser light though a fibre optic cable, the breaks or faults in the fibre will refract the light, creating a bright glow around the faulty area.

Features:

- ➤ Wavelength: 650nm
- ► Range: visibility up to 3km
- ► Easy to check fibre faults with visual red laser light
- Tests for both singlemode and multimode cables with standard 2.5mm fibre optic connectors to 1.25mm adaptor
- ► Highly effective power circuits allow stable laser power
- > Operates in both CW (Continuous wave) and pulse mode
- ► Dust-proof design
- Two AAA-size alkaline batteries provide 15 hours of stable continuous operation
- > LED indicator for power, battery low, and CW / pulse indicators

TOOL KITS

Networks Centre presents the cutting and stripping tools for splicing in a cloth roll as part of our fibre optic range. This handy tool roll includes every tool needed for fibre preparation prior to splicing including:

Includes:

- > 1 x Small tool roll with 9 pockets 380mm x 200mm
- > 1 x Cable cutter for copper and fibre up to 10.5mm
- > 1 x Jacket stripping and slitting tool 4.5mm to 25mm
- ► 1 x Kevlar cutting scissors
- > 1 x Peg stripper 3.5mm to 9mm (duplex cable stripper)
- ► 1 x Tri-hole buffer stripper for 250um 900um 3mm
- ► 1 x Precise electrical wire side cutter

► FLUKE PROTOOL KIT

The Fluke ProTool Kit provides electrical and telecom technicians a secure and sleek pouch for tool storage. The PVC Dur-A-GripTM Tool Pouch holds tools securely, even upside down. Choose from six tool kits for various applications.

- All kits include an ergonomically designed Dur-a-Grip pouch for convenient tool storage on belt
- > D914[™] and D814[™] industry standard punchdown tools make for solid terminations
- Easy to use cable stripper quickly rings and slits many types of cable
- ► Use the Probe Pic to check for loose or damaged connections
- ➤ Cut and strip wire cleaner and faster with the Electricians' D-Snips™





Part No:	Description:
OVLP-650	650nm Optical Visual Light Pen (2.5mm +1.25mm Adaptors)



Part No:	Description:
NC-TO-SPLICER	Cutting and Stripping Tools For Splicing in a a Cloth Tool Roll



Part No:	D
11293000	FI

escription: luke Protool Kit IS60

Can't find what you're looking for? Then contact us...

DYMO[®] RHINO[™]

NetworksCentre.

► DYMO[®] XTL[™] 300



Simplify labelling with the DYMO® XTL[™] 300. A life-like on screen print preview and built-in label applications help save time on the job. Prints labels from 6 mm (¼") up to 24 mm (1"), including heat-shrink tubes, barcode and pre-sized labels. Labels are available in a full range of UL-rated materials and colours.

Features:

- Life-like on screen print preview and colour display shows exactly how labels will look when applied to cables, pipes, panels, and more
- Built-in label applications make getting started from the home screen easy
- > Pre-loaded templates ensure perfect formatting to save time
- Pre-set layouts for almost 100 patch panel models eliminate size and spacing guesswork
- Prints 6 mm (1/4") up to 24 mm (1") durable labels including continuous length tape, laminated wire/cable wraps, heat-shrink tubes and pre-sized labels
- ► Works with Windows® 7, Windows® 8/8.1, Windows® 10
- ► 3-Year Limited Warranty

In the Box:

- ► DYMO XTL™ 300 Label Maker
- ➤ AC Charging Adaptor
- ► USB Cable
- ► Rechargeable Lithium Polymer Battery
- ➤ 24 mm x 7m ((1) 1 in x 23ft) All-Purpose Vinyl, Black on White Cartridge
- ► Lanyard
- ► Quick Start Guide
- ► Software Download Card

01403 754 233



Part No:	Description:
DYMO-1873228	DYMO XTL 300 24 mm Label Maker, QWERTY, UK/IRE
DYMO-1873305	DYMO XTL 300 24 mm Label Maker Kit, QWERTY, UK/IRE

► DYMO[®] XTL[™] 500

End frustration and simplify labelling with the DYMO[®] XTL[™] 500. A life-like on screen print preview shows exactly how labels will look, while a colour touch screen and built-in label applications make getting started easy. Prints labels from 6 mm (¼") up to 54 mm (2") wide in a full range of UL-rated materials and colours.

Features:

- Life-like on screen print preview and colour display shows exactly how labels will look when applied to cables, pipes, panels, and more
- Built-in label applications make getting started from the home screen easy
- > Touchscreen helps make label creation easier and faster
- > Pre-loaded templates ensure perfect formatting to save time
- Prints 6 mm (1/4") to 54 mm (2") durable labels including continuous length tape, laminated wire/cable wraps, heat-shrink tubes and presized labels
- ► Works with Windows® 7, Windows® 8/8.1, Windows® 10
- ► 3-Year Limited Warranty

The Kit includes:

- ► DYMO XTL™ 500 Label Maker
- ► Carrying Case
- ► AC Charging Adaptor
- ► USB Cable
- ► Rechargeable Lithium Polymer Battery
- ► 54 mm x 7 m ((1) 2 in x 23 ft) All-Purpose Vinyl, Black on White Cartridge
- S8 mm x 39 mm ((1) 1 ½ in x 1 9/16 in) Laminated Wire / Cable Wrap, Black on White, 150 labels
- ► Quick Start Guide
- ➤ Software Download Card

 Part No:
 Description:

 DYMO-1873306
 DYMO XTL 500 54 mm Label Maker Kit, QWERTY, UK/IRE

Can't find what you're looking for? Then contact us...



1

DIMO

► DYMO[®] XTL[™] LABELS



Dymo XTL[™] labels are durable and made for a variety of surfaces. Whether you are labelling to OSHA, ISO and ANSI colour standards or labelling in harsh conditions, Dymo XTL labels have you covered. Jobsite-tested and UL-recognised, these labels won't smear or fade. Compatible with DYMO XTL label makers.

Features:

- ➤ Choose from 6 mm to 54 mm (¼" to 2") label widths, including laminated wire/cable wraps and pre-sized labels, for labelling everything from wires and cables to bins, beams, pipes, and more
- > Industrial-strength labels withstand the toughest conditions moisture, chemicals, a wide range of temperatures, UV light and more
- > Durable thermal transfer printing technology label text won't smear or fade
- > UL recognised labels for virtually every labelling job; heat-shrink tubes tested to SAE, ASTM and military specifications
- > Broad colour assortment fits with OSHA, ANSI and ISO standards to enhance workplace communication and safety
- ► Labels comply with ANSI/TIA 606-B standards
- > Easy-to-peel split back design or pre-sized labels make applying labels quick and easy
- ➤ Compatible with all DYMO XTL[™] label makers



Deut Max	Descriptions
Part No: PRE-SIZED LABELS	Description:
DYMO-XTL-1868665	DYMO XTL 1/2" x 1/2" (12 mm x 12 mm) Pre-Sized Label, Black on White
DYMO-XTL-1868666	DYMO XTL 1/2" x 1" (12 mm x 25 mm) Pre-Sized Label, Black on White
LAMINATED WIRE/CABL	E WRAP
DYMO-XTL-1868704	DYMO XTL 13/16" x 13/16" (21 mm x 21 mm) Laminated Wire/Cable Wrap, Black on White
DYMO-XTL-1868705	DYMO XTL 13/16" x 1-9/16" (21 mm x 39 mm) Laminated Wire/Cable Wrap, Black on White
PRE-SIZED SAFETY/RTK	LABELS
DYMO-XTL-1868713	DYMO XTL 2" x 4" (51 mm x 102 mm) Pre-Sized Label, Black on White w/ Orange Header
DYMO-XTL-1868714	DYMO XTL 2" x 4" (51 mm x 102 mm) Pre-Sized Label, Black on White w/ Yellow Header
PERMANENT FLAT SURI	FACE
DYMO-XTL-1868735	DYMO XTL 1/4" (6 mm) Permanent Flat Surface, Black on White
DYMO-XTL-1868736	DYMO XTL 3/8" (9 mm) Permanent Flat Surface, Black on White
HEAT-SHRINK TUBE (co	ntinuous)
DYMO-XTL-1868809	DYMO XTL 1/4" (6 mm) Heat-Shrink Tube, Black on White
DYMO-XTL-1868810	DYMO XTL 1/2" (12 mm) Heat-Shrink Tube, Black on White
FLEXIBLE CABLE WRAP	
DYMO-XTL-1868806	DYMO XTL 1/2" (12 mm) Flexible Cable Wrap, Black on White
DYMO-XTL-1868807	DYMO XTL 3/4" (19 mm) Flexible Cable Wrap, Black on White



RHINO 5200 LABELLER



The Rhino 5200 professional labeller has been designed for use in any industrial workplace. A tough exterior machine that produces durable labelling, the 5200 labeller can offer your business labelling results that meet with ANSI, TIA/EIA-606 labelling standards.

Enhance your labelling requirements quickly and efficiently, with the many exclusive features of the Rhino 5200 labeller. These include time saving hot keys for cabling, flags, patch panels, terminals and vertical labels, as well as, over 100 built-in industrial symbols.

Designed for use in the electrical, audio/visual, construction and datacoms industries, the portable and veversatile Rhino 5200 industrial labeller, will ensure your labels are of a professional quality that lasts.

Features:

- ► Large backlit two line display screen
- ➤ Complies with labelling standards ANSI, TIA/EIA-606-A
- ► Produces Code 39 and Code 128 barcodes (19mm labels)
- ➤ 'Hot key' for auto sizing, spacing and format of labels
- > Integrated symbol library of industry symbols, fractions, punctuation and currency
- ➤ Slip resistant grip
- > Rubber bumper to protect from everyday bumps
- ► Integrated lanyard loop
- ► Utilises Rhino 'easy peel' IND tapes
- ➤ Requires 6 AA batteries or a rechargeable Lithium-ion battery supplied with kit
- ➤ Auto power shut off when not in use
- > FREE 19mm black on white flexible nylon label cassette

The Rhino 5200 Kit includes:

- ► RHINO 5200 Professional Label Printer
- ► Hard carry case
- ► AC mains power adaptor
- ► Rechargeable Lithium-ion battery
- ► Quick reference guide
- ► 19mm Black on White flexible nylon tape cassette
- ► 12mm Black on White vinyl tape cassette

Part No:	Description:
RO-S0841460	Rhino 5200 UK - Yellow
RO-S0841390	Rhino 5200 Kit UK - Yellow

RHINO 4200



The DYMO® Rhino™ 4200 gets labelling jobs done fast – and done right. Easily navigate the familiar QWERTY keyboard. Use one-touch "Hot Key" shortcuts to guickly create and format wire/cable wraps, flags, Code 39 and Code 128 barcodes, fixed length labels, breaker labels and more.

Print labels up to 19mm wide in flexible nylon, permanent polyester and durable vinyl materials - PLUS print directly on heat-shrink tubes. Save even more time with great new features - like the 'Favourites' key which provides single-key access to commonly used labels, symbols and terms; and the 'Custom' key which eliminates repeated steps by saving customised settings.

Product specifications:

- > Runs on optional rechargeable lithium-ion battery pack or 6 AA batteries
- ➤ 1 year warranty + 1 year extra when registering
- ➤ Unit weight: 770 grams

Features:

- ► Familiar computer-style QWERTY keyboard for fast and easy text entry
- > Patented "Hot Keys" provide shortcuts for creating and formatting wire/cable wraps, flags, Barcode 39 and Barcode 128, fixed-length, general and module labels
- > Print 6mm, 9mm, 12mm and 19mm wide industrial-strength labels in a variety of materials and colours - PLUS print directly on heat-shrink tubes
- ➤ "Favourites" key provides single-key access to your most commonly used labels, symbols and terms
- > Avoid repeated steps with the "Custom" key customise and save settings for individual label formats
- > Pre-programmed library with 150 symbols and terms for security, electrical, pro A/V, and facilities management
- > Integrated rubber bumpers help prevent damage from accidental drops and falls
- > Large back-lit display is easy to read, even in dimly-lit work areas
- > Auto save/auto power-off extend battery life without losing current work
- > Runs on 6 AA batteries (not included) also compatible with guick-charging Lithium-ion battery (sold as an accessory)

Box includes:

- ► Rhino™ 4200 printer
- ► Quick reference quide
- ► 19 mm white flexible nylon tape

Part No:

Description:

RO-S0955950

Rhino 4200 QWERTY 19mm PB1 UK -Orange





▶ RHINO 6000 LABELLER



The Rhino 6000 machine that is so easy to use, at the same time offering you great professional labelling.

The Rhino 6000 industrial labeller boasts many time saving features that any installation industry would benefit from. (Rhinos exclusively designed hot keys for wiring, patch panels, flags and vertical labelling along with over 250 pre-programmed industrial symbols.) Creating your own custom labels is a simple task on the Rhino 6000, these can be saved and instantly retrieved when required.

The DYMO thermal technology is a key benefit along with highly durable labels, available for use with the Rhino 6000 labeller. You can be sure of a label that lasts with strong adhesive and resistance to UV, heat, moisture and chemicals, these labels will not smear or move.

The Rhino 6000 also offers the capability of PC connectability when used with the Rhino connect software (included in kit). Uploading or downloading labels is an easy process, enabling you to create the right label, for the right application, every time.

Features:

- > Prints Rhino IND labelling tapes up to a 24mm width
- > Over 250 integrated industry symbols and terms
- ► Produces 6 different barcodes
- > Memory capability of over 1000 labels including logos and graphics
- > Serialised numbering via a built in wizard
- ► Powered label cutter
- > Powered by a rechargeable Lithium-ion battery (included)
- ➤ Slip resistant grip
- ► Rubber bumper to protect from everyday bumps
- ➤ Utilises the RHINO CONNECT[™] software when connect via a USB cable to your computer (upload and download label files, insert graphics and logos, import data from Windows[®] based programmes, create label via integrated wizard, print labels directly from computer)

In The Box:

- ► RHINO 6000 Professional Label Printer
- ► AC mains power adaptor
- ► Rechargeable Lithium-ion battery
- > 24mm Black on White flexible nylon label cassette
- ► CD with user guide
- ► Quick reference guide
- ► Product registration card

The RhinoPRO 6000 Kit includes:

- ► Rugged carry case
- ► RhinoPRO 6000 printer
- ► Rhino CONNECT software
- > 1 x 24mm flexible nylon label cassette (Black on White)
- ► 1 x 9mm Vinyl RhinoPRO label cassette
- ► Li-ION rechargeable battery pack
- ► AC power adaptor
- ► User manual
- ➤ Registration card
- ► USB cable

Part No:	Description:
RO-S0773780	Rhino 6000 UK - Yellow
RO-S0771940	Rhino 6000 Kit UK - Yellow

► LABELS





DYMO[®] Industrial labels are tough, jobsite tested and UL recognised. Labels won't smear or fade and are built with industrial-strength adhesives to resist moisture, UV light and extreme temperatures. Whether you are labelling to OSHA, ISO and ANSI colour standards or labelling in harsh conditions, DYMO[®] Industrial labels have you covered. DYMO[®] Industrial labels are designed to work exclusively with Rhino[™] printers and to perform on a variety of surfaces.

LABEL APPLICATIONS	LABEL COLOUR	6 mm	9 mm	12 mm	19 mm	24 mm
VINYL VUL Recognised Component to UL969 RoHS compliant Length: 5.5m	BLACK ON WHITE	-	RO-18443	RO-18444	RO-18445	-
	BLACK ON YELLOW	_	-	RO-18432	RO-18433	_
	BLACK ON ORANGE	_	_	RO-18435	RO-18436	_
PERMANENT POLYESTER ➤ UL Recognised Component to UL969	BLACK ON WHITE	-	RO-18482	RO-18483	RO-18484	RO-1734523
 RoHS compliant Length: 5.5m 	BLACK ON CLEAR	_	RO-18508	_	_	_
	BLACK ON METALLIC	_	RO-18485	RO-18486	RO-18487	_
 HEAT SHRINK TUBES > UL Recognised Component to UL224 > Meets MIL-STD-202G, MIL-M-81531 and SAE-DTL 23053/5 (Class 1 and 3) > RoHS compliant > Length: 1.5m 	BLACK ON WHITE	RO-18051	RO-18053	RO-18055	RO-18057	-
	BLACK ON YELLOW	RO-18052	RO-18054	RO-18056	RO-18058	-
 FLEXIBLE NYLON > UL Recognised Component to UL969 > RoHS compliant > Length: 3.5m 	BLACK ON WHITE	_	_	RO-18488	RO-18489	RO-1734524
	BLACK ON YELLOW	_	_	RO-18490	RO-18491	RO-1734525
NON-ADHESIVE TAG ➤ RoHS compliant ➤ Length: 5.5m	BLACK ON WHITE	RO-18111	-	RO-18113	_	-
SELF-LAMINATING ➤ RoHS compliant ➤ Length: 5.5m	BLACK ON WHITE	_	_	_	_	RO-1734821

SUMITOMO SPLICERS

NetworksCentre.

► T-72C CORE ALIGNING SPLICER



The new T-72C core alignment fusion splicer from Sumitomo offers many new key features. It is smaller, lighter, faster and more durable than its predecessor weighing in at just 2.2kgs with the battery in place and a footprint of just 128 x 154 x 130mm. Battery life is in excess of 300 cycles with a 5 second splice time and an incredible 9 second heat shrink cycle for a 60mm sleeve. With Sumitomo's characteristic dual oven technology, engineer output can be vastly increased. Supplied as standard in a lightweight and rugged carrying case which has a flat surface for the splicer to sit on and a convenient fold out work platform for the cleaver and other tools.

The splicer operates efficiently in extreme weather conditions, capably splicing in temperatures of up to 50 °C, working at altitudes of up to 6000m and with IPx2 water protection and IP5x dust protection works well outdoors. It can also survive a drop of 76cm on 5 faces!

- ► Full touch screen control
- ➤ SD card reader
- > Dual ovens, with flexible clamps
- ► View, zoom and save splice mode
- ➤ Built-in video help and media player
- ► Online software updates
- >The world-first fusion splicer with Wireless LAN Connectivity

KIT INCLUDES

- ➤ T-72C splicer unit
- ➤ Power supply module ➤ Splice cooling tray
- ► Electrodes ➤ Hand strap
- ➤ Operation CD
- ➤ Hard carrying case
- ► Quick guide ➤ Battery

► Power cord

Part No:	Description:
SUM-T-72C	Sumitomo T-72C Core Aligning Splicer
SUM-T-72C-KIT-STD1	Sumitomo T-72C Core Aligning Splicer Kit

► T-201E-VS - HANDHELD FUSION SPLICER FOR SINGLE FIBRE



Features:

- ► Handheld V-Groove splicer
- ► Fast 12 second splice time
- ► Robust touchscreen with protector film
- > Automatic Arc power adjustment
- > In splicer battery charging whilst working
- > Approximately 100 heat and splice cycles
- ► Passcode protected
- ➤ Can be used with Lynx2 splice on connectors

Improved environmental durability includes shock, water and dust resistance and windproof features (including splicing drop cables at a wind velocity of 15 m/s)

► Electrodes

KIT INCLUDES

- ► T-201E-VS splicer ► Power cord
- ► Power supply module ► Splice cooling tray
- ► Hand strap
- ► Operation CD
- ► Quick guide ► Hard carrying case ► Battery

Part No:

SUM-T-201E-VS Single Fibre Fusion Splicer

Description:

TOOLS & LABELLING > Fusion Splicers

► T-57 AUTOMATIC ADAPTIVE CORE FUSION SPLICER



The T-57 uses Automatic Adaptive Core processing technology to make fibre alignments and loss estimates. This technology provides a higher level of accuracy and performance than Active Clad Alignment as the T-57 can see the core.

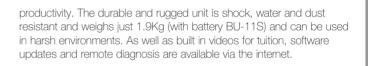
Features:

- ➤ Rapid 6 second splice time
- ➤ 20 second heat time
- ➤ Typical 0.02 splice loss for SMF G652 fibres
- ► Compact and light weight, only 2.0kgs with battery on board
- > Touchscreen operation for intuitive and easy operation
- ► Up to 300 splice programs, 200 splice images and
- storage for 10000 splice results. More storage is available with the addition of an SD card
- ► High environmental protection, IPx2 for water protection

Part No:	Description:
SUM-T-57	Sumitomo T-57 Active Clad Alignment Splicer

T-71M12 RIBBON SPLICER

The T-71M12 ribbon splicer from Sumitomo is a compact and reliable, ultra-fast high speed splicer. With a built in fully navigational touchscreen and intuitive GUI, it achieves a splice cycle time of 14s for 12core fibre ribbon. It also features the industry's only dual independent heaters and auto clamping adjustment system (ACAS) for higher



Features:

- 12 Fibre ribbon cable splice time 14s
- Single fibre & ribbon with 2, 4, 5, 6, 8, 10 or 12 fibres.
- Heat shrink time approx. 55s for 12c ribbon in 40mm sleeve
- Dual, fully independent ovens with auto start on loading fibre
- Store 1000 splice results to internal memory (64 images without SD card)
- Approx. 110 splice & heat cycles for ribbon spices (BU-11 batterv)
- Fibre holders with auto clamp adjustment system (ACAS)
- Carrying case includes a work platform
- Splice on Lynx field termination connectors and MPO

KIT INCLUDES

- ► T-71M12 Ribbon Splicer
- ► Power supply module
- ► Hand strap
- ➤ Operation CD
- ► Hard carrying case
- ► Power cord
 - ➤ Splice cooling tray ► Electrodes
 - ► Quick guide
 - ► Battery

Part No: **Description:** SUM-T-71M12 Sumitomo T-71M12 Ribbon Splicer

SUMITOMO ELECTRIC



@enquiries@networkscentre.com



► T-400S ACTIVE CLAD ALIGNMENT SPLICER

The Sumitomo T-400S is the latest splicer in with a fully redesigned and improved user interface, Fast splicing and heating times ensure that the job done is completed as quickly as possible.

One of the key features of the T-400S is the Super-Wide concept, which provides an extended adjustment range of fibre position in the X & Y axes compared to conventional splicers. Super-Wide makes the T-400S tolerant to imperfectly cleaned fibres and less sensitive to fibres misplaced by unskilled operators, saving time and effort spent on site and reduces the possibility of re-work.

T-400S with Super-Wide helps even unexperienced operators conduct splicing work quickly and accurately pushing down the cost of $\ensuremath{\mathsf{FTTx}}$ installation.

Part No:	Description:
SUM-T400S	Sumitomo T400S Active V Groove Fusion Splicer

- > Rapid 7s splice time and 24s heating time
- Universal Multi-Clamp and removable fibre holders allow splicing of a wide variety of fibre coating media.
- Handles FTTH drop cables, ruggedised leads, loose buffer and tight buffer secondary coated fibres, primary coated fibres, and splice-on field assembly connectors.
- Typical splice loss: 0.03dB SMF; 0.01dB MMF; 0.05dB DSF; 0.05dB NZDSF
- > Splice & Heat cycles per BU-15 battery charge: Approx 200
- Splice Image Capture: 100 Images / 10,000 splice data (internal memory)
- Comes complete with Carrying case, battery pack (BU15), AC adaptor, Power cord



> ELECTRODES, BATTERIES & POWER LEADS



Part No:	Descr	Description:		
SUM-ER10		Pair of Electrodes for T-39, T-25e and T-71 Fusion Splicer ER10's (orange caps)		
SUM-ER8	Pair of I	Pair of Electrodes for T-37		
SUM-ER9	Pair of I	Electrodes for T-25		
Deathles				
Part No:		Description:		
SUM-ADC-1	430	AC/DC Adaptor Power Supply Module 4071C		
SUM-ADC-1240M		AC/DC Adaptor 12v DC Out, For use with Type 25e		
SUM-ADC-1	635	AC/DC Adaptor 16v DC Out, For use with Charger for T-39		
Part No:		Description:		
SUM-PC-V1		DC Power Cord for Vehicle 12V Outlet		



210

Can't find what you're looking for? Then contact us...

- Integral Offcut Collector >
- Stable base for table top operation
- Accepts SMF, MMF, NZDSF, BIF Fibres
- Blade life up to 40,000 fibres 24 blade positions
- Single Fibre Adaptor for:
- 250µm primary coated fibre
- 900µm secondary coated fibre
- 3mm ruggedized cord

Part No:	Description:
SUM-FC-5S	Table Top Cleave Tool with Offcut
	Collector



► FC-6R SERIES FIBRE CLEAVER

Sumitomo's flagship benchtop high precision cleave tool, FC-6R has an auto rotating blade ensuring no routine adjustment is required. It features an off-cut collector ("C" type) with removable bin for safe removal of fibre sharps.

- Easy handling and light weight >
- Automatic off-cut collection on "C" type
- Quick and easy to use
- Large collector for fibre sharps ensures safe operation
- Auto rotating blade

Part No:	Description:
SUM-FC-6R-S	Single Fibre Cleaver
SUM-FC-6R-S-C	Single Fibre Cleaver with off-cut collector
SUM-FC-6RM	Ribbon Fibre Cleaver
SUM-FC-6RM-C	Ribbon Fibre Cleaver with off-cut collector



- Smart cleave counter
- 1 to 12-fibre ribbon cleaver
- Automatic blade rotation
- Ideal cleaver for mechanical connectors
- Ideal for high volume precision cleaving in any environment
- Compatible with all Sumitomo Electric fusion splicers
- Precision blade performs 60,000 cleaves
- Built in scrap collector

Part No: SUM-FC-8R **Description:**

Automatic Blade Rotation Cleaver





01403 754 233

► FC-8R FIBRE CLEAVER

► FC-5S FIBRE CLEAVER



committed to better









FIBRE OPTIC

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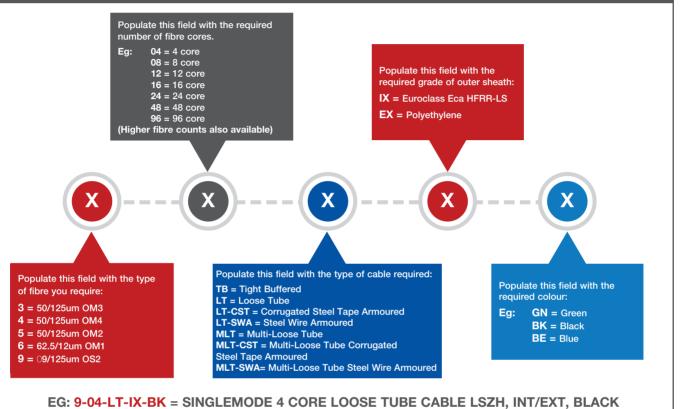
STANDARD CABLES

NetworksCentre.

Up to 96 core cables available on a next day delivery

We hold stock of Loose Tube, Tight Buffered, Steel Tape Armoured, Steel Wire Armoured and Zipcord cables. We are always able to offer the best price on our in-stock cables. All stocked cables are available on a next day delivery service; we provide a FREE cable cutting service, there's NO minimum-order-quantity and we accept orders for next day delivery up to 6pm!





LOOSE TUBE SINGLE LOOSE TUBE



TECHNICAL SPECIFICATION		
	2 – 16 core	18 – 24 core
Outer Diameter	6.0mm	6.5mm
Weight	40kg / km	45kg / km
Tensile Strength (during installation)	100	DON
Tensile Strength (long term)	50	ON
Bend Radius	R = 60mm R = 100m	n loaded m unloaded
Operating Temperature Range	-30 /	+60

- > Suitable for interna/external duct
- > Ducts, aerial installations and direct burial
- > Suitable for internal cable tray in building backbone
- > Cable consists of a single tube containing 2 to 24 fibres
- Water blocking gel gives a moisture protection for cable installation in ducts
- Physical protection and tensile strength are provided by water blocked E-glass fibre elements
- > Fire resustant to CPR Euroclass Eca (HFRR-LS sheath)
- > A ripcord is located under the jacket to facilitate jacket removal
- > Suitable for occasional flooded ducts
- Polyethylene jacket available
- ► UV stabilised sheath
- ► Wide operating temperature range
- > Wide range of jacket options
- ► Rodent resistant
- ► Available in OS2, OM1, OM2, OM3, and OM4
- ► Cables ordered with LSZH jackets meet IEC-60332-1 standard.
- > Standard colour black, other colours available upon request

Can't find what you're looking for? Then contact us...

> MULTI LOOSE TUBE



TECHNICAL SPECIFICATION		
Number of fibres	12 - 216 core	
Max. pulling load	1500-2000N or the equivalent of the cable weight per km, whichever is higher	
Min. bend radius for installation	15 times the cable OD	
Min. long term bend radius	20 times the cable OD for armoured cables,	
Twist (torsion) – length	5 turns +/- 180 degrees	

- Long distance outside plant telephone. CATV as well as data communications.
- Installations in ducts.
- > The elements are usually gel filled tubes containing fibre, however fillers are also used, when needed, to preserve cable geometry.

- The cables can be ordered with a central strength member, either made of resin bonded glass or made of solid or stranded steel coated with polyethylene.
- 2 12 colour coded fibres are loosely laid in each tube that is filled with a water blocking gel.
- > Standard tube diameters are 2.5mm
- > Available in OS2, OM1, OM2, OM3, and OM4.
- Armoured versions available Corrugated Steel Tape and Steel Wire Armour.
- > Ripcord is located under the jacket to facilitate jacket removal.
- Cables ordered with HFFR-LS jackets meet CPR Euroclass Eca standard.
- Peripheral strength members may be added in order to reach the specified tensile load.

► LOOSE TUBE WITH CORRUGATED STEEL TAPE ARMOUR



TECHNICAL SPECIFICATION		
Number Of Fibres	2 – 24 core	
Weight	2 - 16 fibres: 75kg/km 24 fibres: 85kg/km	
Tensile Strength (during installation)	1000N	
Tensile Strength (long term)	500N	
Bending Radius	R = 55mm	
Operating Temperature Range	-40/+70 degrees	

► LOOSE TUBE WITH STEEL WIRE ARMOUR



TECHNICAL SPECIFICATION		
Number of fibres	1 - 24 core	
Tube size (mm)	2 - 12 fibre: 3.5mm 16-24 fibre: 4.5mm	
Diameter over outer sheath (mm)	2-12 fibre: 11.1mm 16-24 fibre: 12.3mm	
Cable weight (kg/km)	2-12 fibres : 217kg/km 16-24 fibre: 240kg/km	
Pulling force (N)	3500 operation 4000 installation	

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- Suitable for external use either in duct (occasional flooding) or direct burial (with sand backfilling)
- > Polyethylene jacket available
- > Cable consists of a single gel filled tube containing 2 24 fibres
- > CST armour provides resistance against rodents
- > Crush proof & rodent resistant
- ➤ Strength member: E-Glass yarns
- > A ripcord is located under the jacket to facilitate jacket removal
- Single tube 2.8mm dia (2-16 fibres) 3.5mm dia (24 fibres)
- Over 24 fibres the cable is constructed in a multi loose tube construction
- > Available in OS2, OM1, OM2, OM3, and OM4
- Cables ordered with HFRR-LS jackets meet CPR Euroclass Eca standard.
- Designed to offer enhanced armoured protection against mechanical and rodent damage
- > Optimised crush resistance
- > Available in HFRR-LS and PE sheaths
- Suitable for direct burial and other applications within hazardous environments
- > Available in OS2, OM1, OM2, OM3, and OM4
- ► Fire resistant to CPR Euroclass Eca (HFRR-LS sheath)
- Bend radius: 15 x OD (operation) / 20 x OD (installation)
- > Operation Temperature range: -40 / +70 degrees

▶ MULTI LOOSE TUBE STEEL TAPE ARMOUR



TECHNICAL SPECIFICATION		
Number of Fibres	12 - 60 core	72 - 216 core
Outer Diameter	10.4mm	16.5mm
Weight	76 kg/km	186 kg/km
Tensile Strength (during installation)	1500N	2000N
Bending Radius	10 x OD 15 x OD	(installed) (installation)
Operating Temperature Range	-40 / +7() degrees

► MULTI LOOSE TUBE STEEL WIRE ARMOUR



TECHNICAL SPECIFICATION		
Number of Fibres	12 - 72 core	96 core
Outer Diameter	14mm	15.3mm
Weight	318-375 kg/km	318-375 kg/km
Tensile Strength	4500N (operation) 2000N (installation)	
Operating Temperature Range	-40 / +70	degrees

TIGHT BUFFERED ► TIGHT BUFFERED



TECHNICAL SPECIFICATION		
Number of Fibres	4 – 12 core	16 – 24 core
Outer Diameter	7.2mm	8.5mm
Weight	59kg / km	72kg / km
Tensile Strength (during installation)	1200N	1200N
Tensile Strength (long term)	350N	350N
Bending Radius	Approx 10 times OD	Approx 10 times OD
Operating Temperature Range	-20 / +70	-20 / +70

- > Polyethylene jacket available
- > CST armour provides resistance against rodents
- ► Crush proof
- > Aramid yarn or fibre glass is wound around the tube
- > Suitable for occasional flooded ducts
- > Available in OS2, OM1, OM2, OM3, and OM4
- ► Temperature range -40 to + 70C
- > Fire resistant to CPR Euroclass Eca (HFFR-LS sheath)

- Designed to offer enhanced armoured protection against mechanical and rodent damage
- > Optimised crush resistance
- > Available in LSZH and PE sheaths
- Suitable for direct burial and other applications within hazardous environments
- > Available in OS2, OM1, OM2, OM3, and OM4
- > Fire resistant to CPR Euroclass Eca (HFRR-LS sheath)

- ► Short and medium distance
- > As a riser or general purpose cable
- > Suitable for direct termination
- Interconnection of distribution boxes and customer equipment, between floors
- 4 72 fibres individually buffered to 0.9mm in a tight or semi tight construction and coded
- 4 24 fibre cables, the individual fibres are stranded and protected by aramid yarn and a LSZH jacket (other jackets available upon request)
- > 24 72 fibre cables, the fibres are grouped into sub-units which are laid helically along the cable axis
- > A ripcord is located under the jacket to facilitate jacket removal
- ► Cost effective multi fibre cable
- Compact and flexible construction especially suited for indoor installations
- > Available in OS2, OM1, OM2, OM3, and OM4
- > Standard colour black, other colours available upon request
- > Suitable for manufacturing pre-terminated fibre cables
- Fire resistant HFRR-LS to CPR Euroclass Eca (and Euroclass B2ca up to 24 core)

Can't find what you're looking for? Then contact us...

FLAT TWIN & ZIPCORD

NetworksCentre.

► FLAT TWIN





9-FT-D28-IN-YW-NC Singlemode 2.8mm flat twin cable internal use, LSZH, yellow 6-FT-D28-IN-GY-NC OM1 62.5-125um 2.8mm flat twin cable internal use, LSZH, grey

5-FT-D28-IN-OE-NC

OM2 50-125um 2.8mm flat twin cable internal use, LSZH, orange



3-FT-D28-IN-AA-NC OM3 2.8mm flat twin cable internal use, LSZH, aqua

4-FT-D28-IN-HVT-NC OM4 2.8mm flat twin cable internal use, LSZH, Heather Violet

TECHNICAL	SPECIFICATION
Max. Pulling Load	500 N
Max. Operating Load	60% of the Max. Pulling Load
Max. Compressive Load	1500 N
Repeated Impact	0.5 N.m
Minimum Short and Long Term Bending Radius	10 times the cable O.D.
Twist (Torsion) – Length	100 times the cable O.D.
Cyclic Flexing	500 cycles
Operating Temperature Range	-10C to +50C
Storage Temperature Range	-20C to +70C

> Suitable for general internal use

- > Interconnect cable for patch leads and pigtails
- Consists of two fibres buffered to 900um in a tight or semi-tight construction

- ➤ Typical cable dimensions are 3.8mm x 6.6mm
- Internal LSZH sub-units for breaking out
- > Upon request, cables meeting the IEC-60332-3 can be supplied
- > Includes an extra LSZH outer sheath to offer additional strength to standard duplex zipcord
- > Physical protection and tensile strength is provided for each unit using aramid yarn
- ► Lightweight and flexible
- > Easy termination, rugged cable-connector interface
- > Available in singlemode, OM1, OM2, OM3 and OM4
- > Cables ordered with LSZH jackets meet IEC-60332-1 standard

DUPLEX ZIPCORD

9-DX-D28-IN-YW-NC Singlemode 2.8mm zipcord

vellow

6-DX-D28-IN-GY-NC OM1 62.5/125um 2.8mm

TECHNIC	AL SPECIFICATION
Max. Pulling Load	400 N
Max. Operating Load	60% of the Max. Pulling Load
Max. Compressive Load	1000 N
Repeated Impact	0.5 N.m
Minimum Short and Long Term Bending Radius	10 times the cable narrowest dimensions
Twist (Torsion) – Length	100 times the cable widest dimension
Cyclic Flexing	300 cycles
Operating Temperature Range	-10C to +50C
Storage Temperature Range	-20C to +60C

5-DX-D28-IN-OE-NC 3-DX-D28-IN-AA-NC OM2 50/125um 2.8mm OM3 2.8mm zipcord suitable for zipcord suitable for internal internal use, LSZH, aqua

4-DX-D28-IN-HVT-NC

OM4 2.8mm zipcord suitable for internal use, LSZH, Heather Violet

- > Typical cable dimensions are 2.8mm x 5.9mm, however smaller constructions are also available (e.g. 1.6mm x 3.4mm)
- > Fibre sub-units can be easily separated from each other
- > Cables ordered with LSZH jackets meet IEC-60332-1 standard
- Suitable for general internal use
- > Interconnect cable for patch leads and pigtails
- > Consists of two fibres buffered to 900um in a tight or semi-tight construction
- > Physical protection and tensile strength is provided for each unit using aramid yarn
- ► LSZH sheath
- > Lightweight and flexible
- > Easy termination, rugged cable-connector interface
- > Available in singlemode, OM1, OM2, OM3 and OM4

use, LSZH, orange



suitable for internal use, LSZH, zipcord suitable for internal use, LSZH, grey,

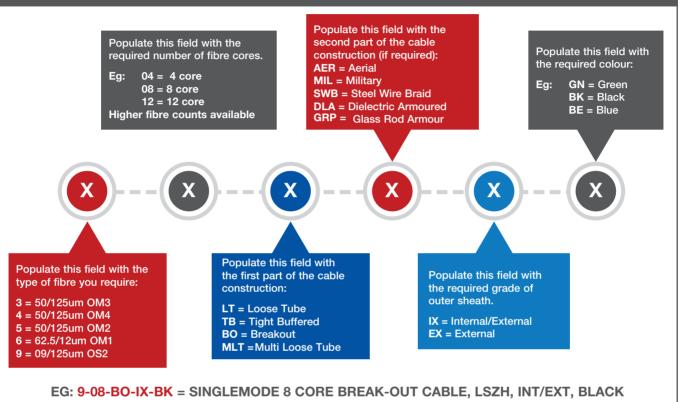
SPECIALIST CABLES

NetworksCentre.

Our specialist cable manufacturing service

When you are looking for something non-standard, like dielectric armour, permanently submersible or fire retardant cables for example, through our manufacturing facilities we are able to manufacture to your specific requirements. We can work from a data sheet or design from scratch. With lead times from as little as three weeks and minimum manufacturing quantities from as little as 1km, access to speciality cables is a realistic proposition. Contact the sales office with your requirement for a quotation.

HOW TO CREATE OUR SPECIALIST FIBRE CABLE PART NUMBERS



MILITARY TIGHT BUFFERED



TECHNICAL SPECIFICATION – TIGHT BUFFERED					
Fibres	2	4	6	8	12
Diameter (mm)	5	5	5.5	6	6.5
Weight (kg/km)	23	25	28	35	40
Tensile load (kg/km)	600	600	600	600	700
Bending Radius (mm)	50	50	55	60	65

TECHNICAL SPECIFICATION – BREAK OUT					
Fibres	2	4	6	8	12
Diameter	6	7	8	9.5	11
Weight (kg/km)	30	40	50	70	90
Tensile load (kg/km)	600	600	600	800	1200
Bending Radius (mm)	60	70	80	95	110

► MILITARY BREAK OUT



- > Available in 2 versions: tight buffered and breakout construction
- Very strong and lightweight cable for use in military tactical redeployable applications
- > Designed to be used in more adverse environments
- Can be used in repeated deployment and retrieval of cable in outdoor environments
- Suitable for applications such as outside broadcast and other temporary installations
- Can be used in environments where resistance to chemicals, oil and other solvents are required
- Suitable for direct connection to tactical fibre optic connectors where high cable retention force is needed
- > Excellent crush resistance
- > Can be buried directly into the ground
- > Available in singlemode, OM1, OM2, OM3 and OM4

► TIGHT BUFFERED STEEL WIRE BRAIDED



- > Flexible metallic armoured design
- > Gel free tight buffered construction
- > Suitable for terminating directly
- Double jacket moisture proof sheath
- > Enhanced crush resistance design
- > Available in singlemode, OM1, OM2, OM3 and OM4

► BREAKOUT

- > Strong, flexible, resistant construction
- > Easy to install and terminate directly
- ► Gel free, easy to strip
- 900um tight buffered fibres housed in breakout sub-units with added aramid yarn for physical protection and tensile strength
- > Ideal for direct connection into active equipment and fibre to the desk
- > Available in singlemode, OM1, OM2, OM3 and OM4

► TIGHT BUFFERED DIELECTRIC ARMOURED FIRE RESISTANT



- ► Gel free tight buffered construction
- Suitable for terminating directly
- > Double jacket moisture proof sheath
- Can operate up to three hours in temperatures of 750°C (IEC 60331)
- > Enhanced crush resistance design
- > Available in singlemode, OM1, OM2, OM3 and OM4
- PE Jacket. Moisture & UV resistant. Other jackets available on request

LOOSE TUBE AERIAL

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- > Stranded loose tube design with messenger wire
- > Dielectric central strength member
- > Resistant to severe environmental conditions
- Suitable for aerial installations along wooden/concrete poles or lattice towers
- > Generally used in railway or telecommunication applications
- > Available in singlemode, OM1, OM2, OM3 and OM4



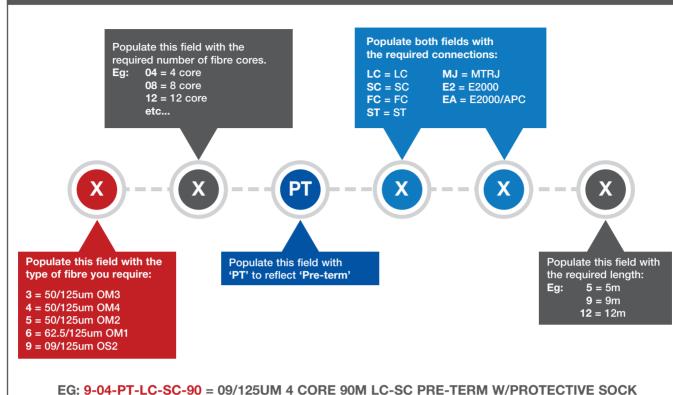
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DIELECTRIC ARMOURED TIGHT BUFFERED ► Rugged cable construction > Low smoke halogen free emission ► Flame retardant ► High flexibility ► Moisture protected > Ultraviolet resistance and rodent protection > Suitable for indoor and outdoor applications > Available in singlemode, OM1, OM2, OM3 and OM4 FIRE RESISTANT ► Meets BS EN 60331-25 Fire resistance > Unitube design offering up to 24 fibres in a 400mm gel filled loose tube > Layer of fire retardant tape **MAAAA** ► Low smoke halogen free bedding ► Steel tape armoured ► Low smoke halogen free outer sheath > Available in singlemode, OM1, OM2, OM3 and OM4 **NGTS CABLES** HOW TO CREATE OUR NGTS FIBRE CABLE PART NUMBERS Х Populate this field with the Populate this field with Populate this field with type of fibre you require: the spec of NGTS: the number of cores: Eg 3.8.32 3 = 50/125um OM3 Eg 04 = 4 core 4 = 50/125um OM4 08 = 8 core or 3.8.7 5 = 50/125um OM2 etc... 6 = 62.5/12um OM1 = 09/125um OS2 EG: 3-04-3.8.32 = OM3 50/125 4 CORE NGTS 3.8.32 FIBRE CABLE EXTERNAL MULTI LOOSE TUBE NGTS 3.8.32 > CST armoured underground cable for direct burial or lying in closed cable trenches > Multi loose tube cable with easy mid span fibre access > Dry water blocked core > Suitable for external installation > High density polyethylene sheath > Wide operating temperature range > Available in singlemode, OM1, OM2, OM3 and OM4 EXTERNAL MULTI LOOSE TUBE NGTS 3.8.7 > Non-metallic armoured cable for use in high voltage installations > Multi loose tube cable with easy mid span fibre access > Dry water blocked Core > Suitable for external installation > High density polyethylene sheath > Wide operating temperature range > Available in singlemode, OM1, OM2, OM3 and OM4

PRE-TERMINATED CABLES

NetworksCentre.

HOW TO CREATE OUR FIBRE OPTIC PRE-TERMINATED ASSEMBLY PART NUMBERS



► PRE-TERMINATED ASSEMBLIES



Product Benefits:

- Manufactured in a controlled environment to improve quality of product
- Reduces site storage requirements
- > Offers low installation costs

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- ► Confirmed test results prior to installation
- > Pulling sock supplied as standard to protect the terminated ends while installing

Available in the following cable constructions:

- > Tight buffered (standard spec unless otherwise specified)
- Breakout cable
- > Military cable (for re-deployable use, suitable for applications such as outside broadcast and military communications
- > Loose tube and multi loose tube
- Corrugated steel tape armour
- ► Steel wire armour

Available in fibre counts of:

4, 8, 12, 16, 24, 48, 72 and 96.

Available terminations:

- ≻ST
- ►LC
- ≻SC
- ► FC
- > E2000 & E2000/APC
- ► MPO (see next page)
- > Many other standard and angled connections also available.
- > Additional military/specialist connector terminations are also available.

Fibre Types:

> Available in OS2, OM1, OM2, OM3, and OM4

(@) enquiries@networkscentre.com

MTP & MPO SOLUTIONS

NetworksCentre.

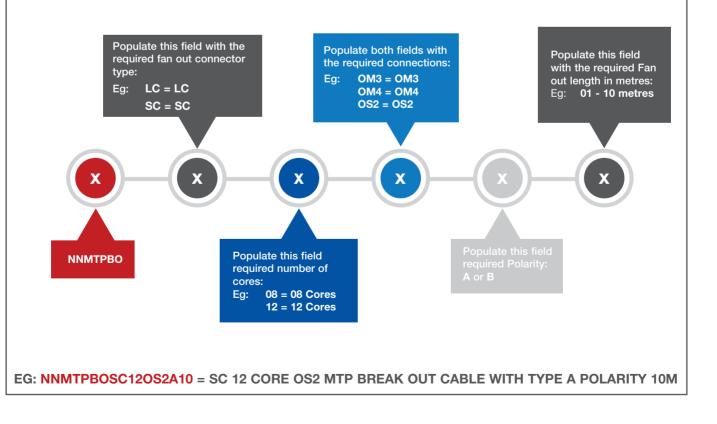
► MTP FAN OUT ASSEMBLIES

Assemblies are typically used to directly interconnect MPO/MTP® cassettes, panels or backbone trunk assemblies with the active equipment ports, saving costly data centre rack space and easing fibre management.

- > Used to breakout MTP assemblies into standard connection types
- Rugged construction enables direct connection into active components
- > Tails can be staggered to aid installation
- > Available in singlemode and OM3/OM4 multimode



HOW TO CREATE OUR MTP FAN OUT ASSEMBLY PART NUMBERS



NetworksCentre.

► MTP TRUNK CABLES

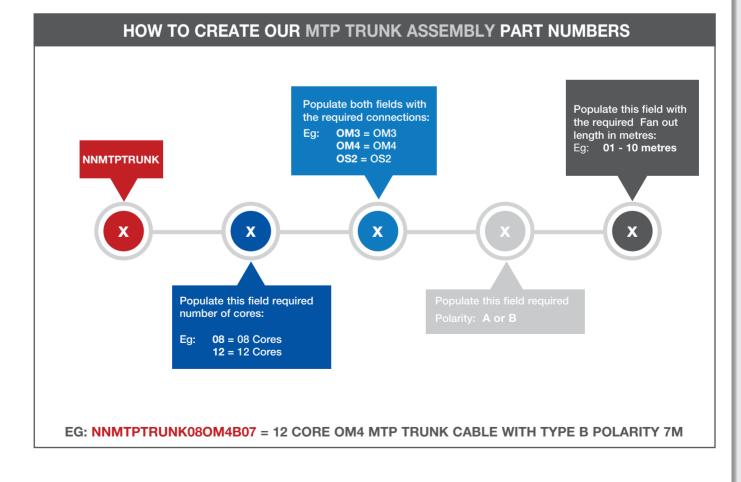
Trunk cables use a lightweight but robust micro core fibre cable and MTP® connectors. They are lighter and smaller in diameter than traditional tight buffered or loose tube fibre and give the ability to pack more fibre into less space.

Cable assemblies are typically 12 fibre but 24 and 48 fibre options are also available. The cables can be used as backbone or horizontal

cable interconnections in lengths to suit your requirements. Typical fibre types OM3, OM4 and OS2 are available.

- ► Factory tested
- > Ideal for connecting between panels and cassettes
- > Available in singlemode and OM3/OM4 multimode





► MTP ADAPTER PLATES AND BLANKS

MTP adaptor plates are available for up to 6 or 8 adapters per plate. Ideal for connecting trunk cable to hydra assemblies. Blank plates are also available.



Part No:	Description:
NNMTPADP6WAY	NENCO MTP Coupler Plate 6 Way loaded
NNMTPADP8WAY	NENCO MTP Coupler Plate 8 Way loaded
NNMTPCASSBLANK	NENCO Cassette Blank
NNMTPADP6UL	NENCO MTP Coupler Plate 6 Way Unloaded
NNMTPADP8UL	NENCO MTP Colupler Plate 8 Way Unloaded





► MTP CASSETTE TRAY

Light weight 1U tray for housing up to 4 cassettes. Cassettes mount from the front and are fastened with push clips. Tray can have a rear brush strip mounted for ease of cable entry. Cable tie mounts are fixed into the panel base to aid cable management. Supports up to 96 fibre in 1U of rack space.

Part No:	Description
NNMTPPANEL	1U Empty Modular Panel accepts 4 MTP cassettes



► MTP CASSETTES

Modular MPO/MTP[®] cassettes provide secure transition between MPO/MTP[®] and LC or SC discrete connectors. They are used to interconnect MPO/MTP[®] backbones with LC or SC patching.

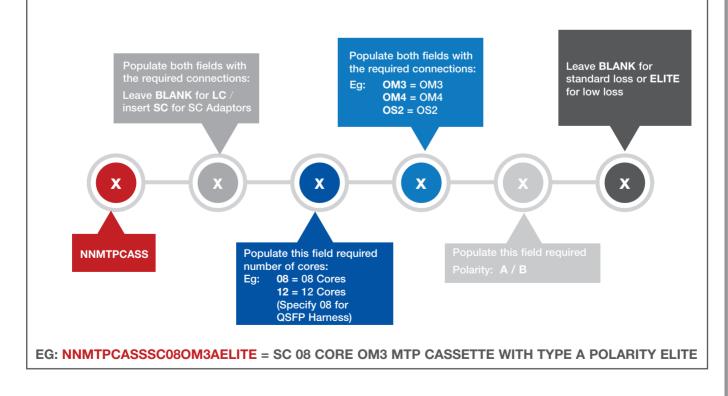
The modular system allows for rapid deployment of high density data centre infrastructure as well as improved troubleshooting and reconfiguration during maintanence.

 $\rm MPO/MTP^{\circledast}$ cassettes contain factory controlled and tested MPO/ MTP to LC fanouts to deliver optimum performance, reliability & low insertion loss.

- > Modular MTP cassettes allow quick and easy installation
- Each cassette holds 12 or 24 fibres and fit into modular panels that can hold up to 4 cassettes
- > LC or SC Connections available as standard
- > Available in singlemode and multimode
- ► Factory tested
- > Standard Insertion loss 0.5dB. Elite option Insertion loss 0.35dB



HOW TO CREATE OUR MTP CASSETTE PART NUMBERS



ATTENUATORS

NetworksCentre.

FIXED ATTENUATORS





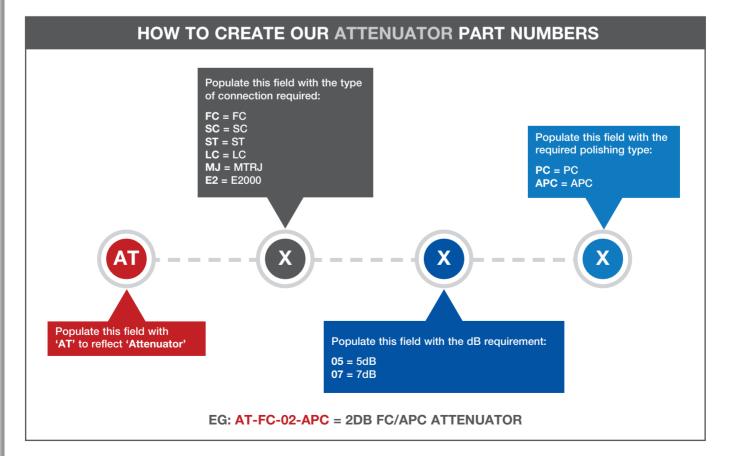


Attenuators are used to control the optical power in a fibre. They are often combined with an active system component to maintain a desired optical power on a network even if the power of the input signal is changing. Fixed Optical Attenuators reduce the optical power within a given optical path without interfering or reducing the optical signal quality. They are used in applications where a predetermined amount of light loss is specified.

Application:

- ► CATV and LAN
- ► Telecom Networks
- ➤ Data Networks
- ► Passive Optical Networks

SP	ECIFICATIONS
Wavelength	1310nm and 1550nm
	1-10dB <+/- 1.0dB (typical) standard
	11-25dB <+/- 10% (typical) standard
Attenuation Tolerance	1-10dB <+/- 0.5dB (typical) premium
	11-25dB <+/- 5% (typical) premium
Return Loss	RL= -50dB (UPC) RL= -60dB (APC)
PDL	<0.1dB
Operating Temperature	-40oC > + 75oC
Storage Temperature	-40oC > + 75oC



PATCH LEADS

All patch leads are 100% tested and individually bagged with the test certificate incorporated into the label affixed to the outside of the bag. As part of our stringent manufacturing process, our multimode patch leads have a maximum insertion loss that will not exceed 0.5dB but will typically be around 0.2dB. Singlemode patch leads have a maximum insertion loss of 0.3dB but will typically be around 0.2dB. They are also subject to tension, vibration and impact tests to ensure reliability. Our termination house is very flexible enabling us to customise everything from connector style, colour of cable, packaging and even the specified insertion loss if required.

Applications:

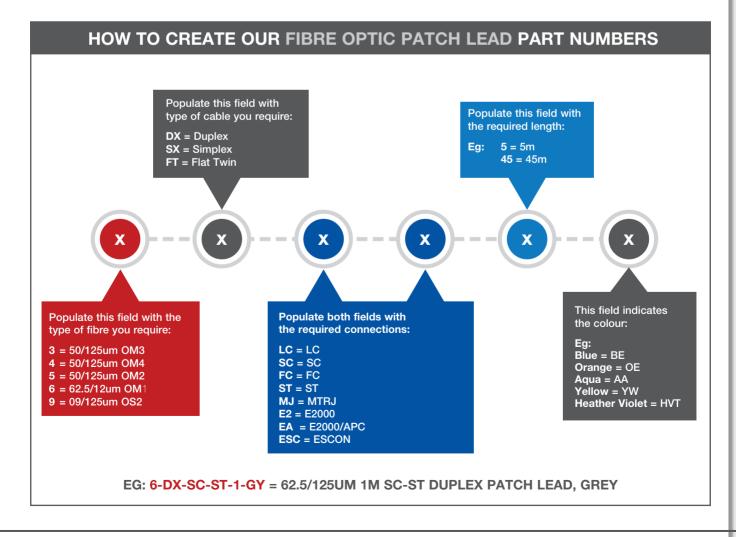
- Used to connect to the active components of a fibre optic system usually from the front of a patch panel. Applications:
 - Telecommunication CATV
 - LAN and WAN Network
 - Broadband FTTX

Features:

- Manufactured on a variety of cables to provide protection to the fibre:
 - Duplex (2.8mm and 1.8mm)
 - Flat twin
 - Simplex
 - Distribution

NetworksCentre.

- > Available in OS2, OM1, OM2, OM3 and OM4
- Standard lengths available from stock: 1, 2, 3, 5, 10, 15, 20, 25 and 30 metre
- Various connectors and combinations are available from stock: ST, SC, LC, FC, MTRJ etc.
- ► Standard Colours:
 - Singlemode OS2 Yellow
 - 62.5/125um OM1 Grey or Orange
 - 50/125um OM2 Orange
 - 50/125um OM3 Aqua
 - 50/125um OM4 Heather Violet
- > Any colour or length can be supplied to suit requirements
- All patch leads are individually bagged with individual test certificates
- > LSZH cable sheath as standard
- > ESCON, E2000, FDDI, DIN, SMA and MU available upon request
- > Angled polished connector (APC) patch leads available
- > Can be labelled/branded and packaged to your requirements
- > Angled boots also available



ALL PATCH LEADS ARE AVAILABLE IN MOST COMBINATIONS

	 Ferrule size 2.5mm Cable sheath diameter 2.8mm (1.8mm on request)
TO DE	 Easy push – pull installation Duplex clip available separately
Distance many	 Available in angle polished version
> ST PATCH LEADS	
Sig In	 Ferrule size 2.5mm Cable sheath diameter 2.8mm (1.8mm on request)
	 Bayonet coupling minimises the rotation needed to mate the connector
	 Singlemode and multimode versions available Available in angle polished version
FC PATCH LEADS	
	► Ferrule size 2.5mm
	 Cable sheath diameter 2.8mm (1.8mm on request) Threaded metallic coupling provides durable reliable connection
	Keyed connector minimises the rotation to mate the connector
	 Low insertion loss and return Available is angle paliabad variant
► LC PATCH LEADS	 Available in angle polished version
2	► Ferrule size 1.25mm
	 Cable sheath diameter 2.8mm (1.8mm on request) High density applications
Total Internet	► Clip together as standard
	 Standard cable size 3mm but 1.8mm also available Available in angled polished version
	 Available in mSFP mini LC version
MTRJ PATCH LEADS	
	 Ferrule size 2.5mm Cable sheath diameter 2.8mm (1.8mm on request)
1111081	 Duplex connector
	 Compliant with Telcordia, TIA/EIA and IEC Easy to install
	 Low insertion loss
► MU PATCH LEADS	► Available with pins
	► Ferrule size 2.5mm
	► Cable sheath diameter 2.8mm (1.8mm on request)
	 50% smaller than SC connector for high density applications Pull proof
	► Very easy to connect and disconnect
E2000 PATCH LEADS	
	 Ferrule size 2.5mm Cable sheath diameter 2.8mm (1.8mm on request)
ACCURATION OF	Compliant with Telcordia, TIA / EIA and IEC
	 Low insertion loss Low back reflection loss
	 Available in standard PC, UPC and APC

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► MODE CONDITIONING PATCH LEAD

Description:

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- Designed for longwave (1310nm) Gigabit Ethernet applications over multimode fibre
- > Offset connection of a singlemode fibre to a multimode fibre.
- Two MM fibres on one end and one MM & one SM on the other end
- When launching into a MM fibre, the transceivers can generate multiple signals that cause Differential Mode Delay (DMD) which can limit transmission distances. A mode conditioning patch lead removes these multiple signals eliminating problems at the receiver end

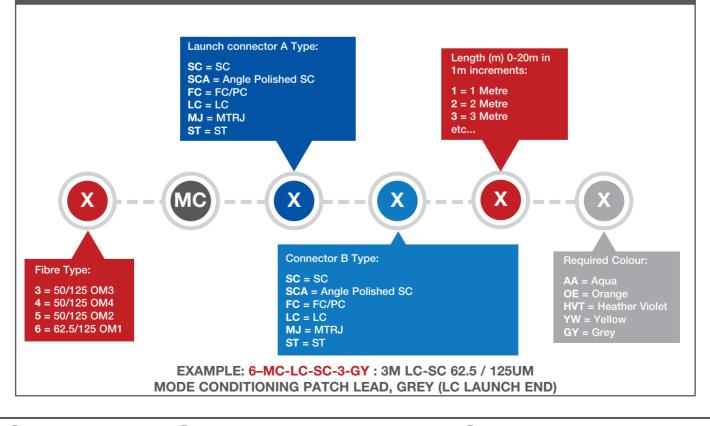
Features:

- > Stable, permanent core offset
- ► Low loss connections
- ► Removes effects from DMD
- ► Compliant with IEEE 802.3z (GbE)

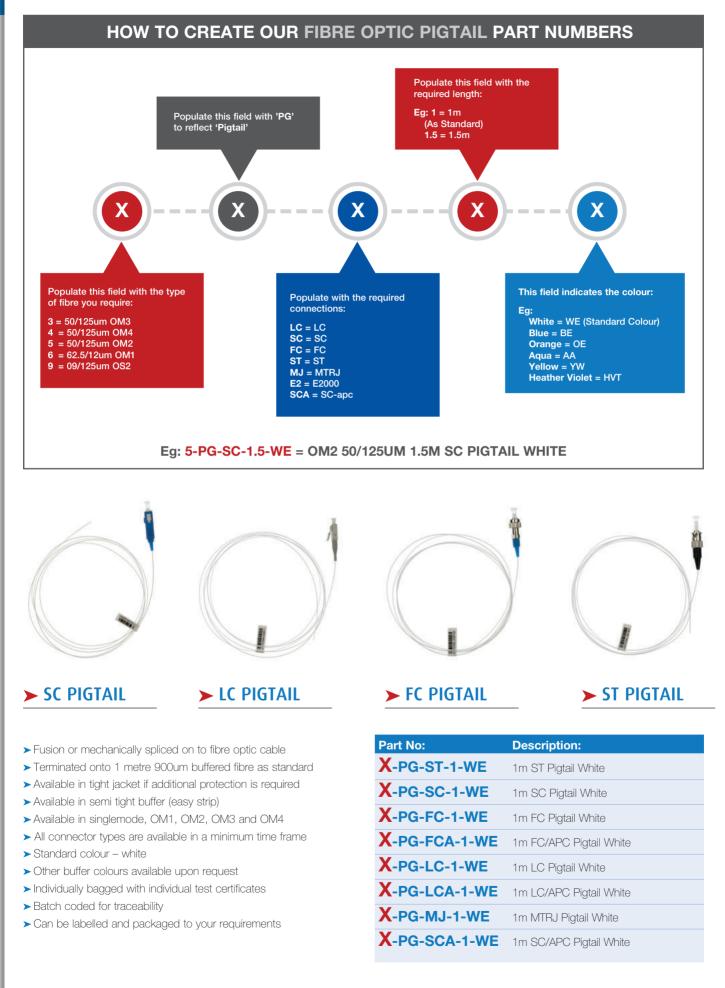
TECHNIC	AL SPECIFICATION
Fibre Type	Multimode and Singlemode
Maximum Insertion Loss	0.4dB
Operating Temperature	-40°C - +85°C



HOW TO CREATE OUR MODE CONDITIONING PATCH LEAD PART NUMBERS



PIGTAILS



FIBRE OPTIC > Pigtails

230

CONNECTORS

ALSO AVAILABLE IN PACKS OF 100

NetworksCentre.

SC, ST, FC AND LC COLD CURE-CONNECTORS

Features:

- ► Low insertion loss
- > Standard connector housing
- > Zirconia ceramic ferrule
- > Available in multimode and singlemode
- All connectors come with a 900um and 3mm boot (LC also with a 2mm)
- > All standard connectors available in angled polished version

SC SINGLEMODE CONNECTOR

SC CONNECTOR

Applications:

- > Telecoms. > FTTH (Fibre To The Home)
- CATV and CCTV > Local Area Networks

SPECIFICATION			
Mode	Singlemode	Multimode	
Typical Insertion loss	0.20dB	0.30dB	
Humidity Cycling	75C, RH 95%	75C, RH 95%	

- ► Meets the TIA/EIA-568A standards
- > Duplex clip available separately
- > 2.5mm ceramic ferrules
- > One step crimp ring with jacket retention
- > One universal body suitable for 900um, 2.0mm and 3.0mm boot
- ► Boot colour options available
- > Same termination tool as ST and FC

Part No:	Description:
CO-SC-MM-I	SC Multimode Connector with a 3mm and 900um Boot
CO-SC-SM-I	SC Singlemode Connector with a 3mm and 900um Boot

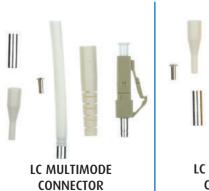
ST CONNECTOR

SC MULTIMODE

CONNECTOR



LC CONNECTOR





- > Metal body with bayonet fitting
- > One piece body construction simplifies field assembly.
- Same termination tool as SC and FC
- > Optional boot colours available
- ► Corrosion resistant body
- > 2.5mm ceramic ferrules

Part No:	Description:
CO-ST-MM-I	ST Multimode Connector with a 3mm and 900um Boot
CO-ST-SM-I	ST Singlemode Connector with a 3mm and 900um Boot

- ► 1.25mm ceramic ferrules
- Increases panel density to provide duplex connection in 50% less space
- > Available in Ultra, Super and Angle (APC) polishing
- > Latch clip to ensure proper mating

Part No:	Description:
CO-LC-MM-I	LC Multimode Connector with a 2mm, 3mm and 900um Boot
CO-LC-SM-I	LC Singlemode Connector with a 2mm, 3mm and 900um Boot



🚯 01403 754 233 🛛 @ enquiries

FC CONNECTOR



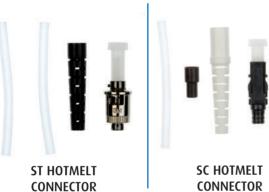
> Pre-domed zirconia ferrule for fast, easy assembly and polishing

- ► Meets JIS C-5970 standard
- > Ferrule is keyed during manufacture to optimise performance
- > One step crimp with jacket retention
- ► Corrosion resistant body
- ► Boot colour options available

Part No: **Description:**

CO-FC-SM-I FC Singlemode Connector with a 3mm and 900um Boot

HOTMELT CONNECTORS



CONNECTOR

> Hotmelt connectors are pre-loaded with adhesive, so the	nere
is no mixing of epoxy or syringe required	

- > Easy termination, simply insert the connector into the oven, allow it to reach temperature while preparing the fibre end, remove the connector from the oven, fit the fibre and allow to cool before polishing
- > Available in LC, SC, ST & FC in multimode and singlemode
- > Compatible with other SC and ST connectors and adapters
- > Termination kit which contains all of the tools and consumables required to terminate the Hotmelt is available

Part No:	Description:
CO-ST-HM-MM	ST Multimode Hotmelt Connector
CO-SC-HM-MM	SC Multimode Hotmelt Connector
CO-FC-HM-SM	FC Singlemode Hotmelt Connector
CO- LC-HM-MM	LC Multimode Hotmelt Connector
CO-LC-HM-SM	LC Singlemode Hotmelt Connector

ADAPTORS

SC, ST, FC, LC AND MTRJ ADAPTORS

Networks Centre provides a range of fibre optic cable adaptors, from reputable brands including Leviton. Fibre optic adaptors are easy to use, environmentally stable, and are built to reduce insertion loss. Available in SC, FC, ST, LC, MTRJ, E2000, and APC variants. All fibre optic adaptors are built to provide high guality, yet low cost solutions for LAN's, Telecoms, FTTH, CATV and CCTV systems.

For more information, or if you can't find the fibre optic adaptor that you're looking for, please call us on 01403 754233

Features:

- ► Low insertion loss
- ► Easy to handle
- ► Environmentally stable
- ➤ Compliant with IEC, TIA
- > Hybrid adaptors available

A	
	ications:
NPP	icutions.

- ► Local Area Networks
- > FTTH (Fibre To The Home)
- ► CATV and CCTV
- ➤ Telecoms

SPECIFICATION		
Mode	Singlemode	Multimode
Typical Insertion Loss	0.20	0.30
Operating Temperature	-40 – +80C	-40 – +80C
Vibration	10 - 55 HZ (3 axis)	10 - 55 HZ (3 axis)
Durability (500 matings)	0.12dB Max	0.12dB Max

NetworksCentre.

FIBRE OPTIC > Adaptors

LC ADAPTOR

- ► Increases panel density
- > Flanges for fixing to bulkheads
- > Screw-in fixing or push clip for easy installation
- > Duplex adaptors come as standard with SC simplex footprint
- > Quad adaptors available which fit into an SC duplex footprint
- > Standard colours: Multimode Beige Singlemode - Blue APC – Green OM3 – Aqua OM4 – Heather Violet
- > Also available in simplex



DUPLEX ADAPTOR

LC MULTIMODE

QUAD ADAPTOR



LC SINGLEMODE **DUPLEX ADAPTOR**



LC SINGLEMODE **QUAD ADAPTOR**

Part No:	Description:
AD-LC-DX-MM	LC Duplex Multimode Adaptor
AD-LC-DX-MM-AA	LC Duplex Multimode Adaptor (OM3)
AD-LC-DX-SM	LC Duplex Singlemode Adaptor
AD-LCA-DX-SM	LC/APC Duplex Singlemode Adaptor
AD-LC-SX-MM	LC Simplex Multimode Adaptor
AD-LC-SX-SM	LC Simplex Singlemode Adaptor
AD-LCA-SX-SM	LC/APC Simplex Singlemode Adaptor
AD-LCQ-MM	LC Quad Multimode Adaptor (SC Duplex Footprint)
AD-LCQ-SM	LC Quad Singlemode Adaptor (SC Duplex Footprint
AD-LCQ-MM-AA	LC Quad OM3 Adaptor (SC Duplex Footprint) in Aqua
AD-LCQ-MM-HV	LC Quad OM4 Adaptor (SC Duplex Footprint) in Heather Violet

SC ADAPTOR



SC MULTIMODE DUPLEX ADAPTOR



SC MULTIMODE SIMPLEX ADAPTOR SIMPLEX ADAPTOR SIMPLEX ADAPTOR



SC SINGLEMODE



SC APC

- ► Simplex and duplex available
- > Flanges for fixing into bulkheads
- > Screw-in fixing or push clip for easy installation
- > Standard colours: Beige Multimode, Blue Singlemode
- > Available in several colours upon request
- > Removable duplex flanges

Part No:	Description:
AD-SC-SX-MM	SC Simplex Multimode Adaptor
AD-SC-DX-MM	SC Duplex Multimode Adaptor
AD-SC-SX-SM	SC Simplex Singlemode Adaptor
AD-SC-DX-SM	SC Duplex Singlemode Adaptor
AD-SCA-SX-SM	SC/APC Simplex Singlemode Adaptor
AD-SCA-DX-SM	SC/APC Duplex Singlemode Adaptor

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(A) www.networkscentre.com

> ST ADAPTOR





ADAPTOR

FC ADAPTOR



ADAPTOR



FC MULTIMODE FC SINGLEMODE ADAPTOR



ST SINGLEMODE

ADAPTOR

FC APC ADAPTOR

- > Typical insertion loss 0.2dB Singlemode, 0.3dB Multimode
- > D shape as standard
- > D shape threaded with nuts easily installs into patch panels
- > Precision alignment sleeve

Part No:	Description:
AD-ST-MM	ST Multimode Adaptor
AD-ST-SM	ST Singlemode Adaptor
AD-STA-SM	ST/APC Singlemode Adaptor

- > Typical insertion loss 0.2dB Singlemode, 0.3dB Multimode
- > D Shape compatible
- > Easily installs into patch panels
- > Metal body for long life and more than 1000 matings
- > Multimode phosphor bronze and singlemode ceramic sleeves

Part No:	Description:
AD-FC-MM	FC Multimode Adaptor
AD-FC-SM	FC Singlemode Adaptor
AD-FCA-SM	FC/APC Singlemode Adaptor

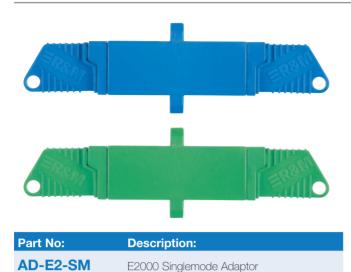




NetworksCentre.

FIBRE OPTIC > Adaptors

E2000 ADAPTOR



E2000/APC Singlemode Adaptor

Features:

- ► High return Loss
- ► Low insertion Loss
- > 100% optic test (Insertion Loss)

Applications:

- > CATV, Metro, LANs and military
- Active device termination
- > Telecommunication networks

SPECIFICATION			
Fibre Type	Singlemode	Multimode	APC
Insertion Loss	≤0.2dB	≤0.2dB	≤0.2dB
Operating Temperature		–40°C to +75°C	
Durability	≤0.1 dB typi	cal change , 500	matings

HYBRID ADAPTORS

AD-E2A-SM



FC-SC SIMPLEX HYBRID MULTIMODE ADAPTOR



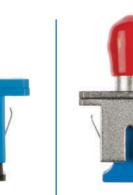
LC-SC SIMPLEX HYBRID SINGLEMODE ADAPTOR



SC-ST DUPLEX HYBRID SINGLEMODE ADAPTOR

- > Used to convert from one style of connector to another
- Available in multimode and singlemode
- > Available in plastic and metal versions

Part No:	Description:
AD-SC-ST-SX-MM	SC-ST Simplex Hybrid Multimode Adaptor
AD-LC-SC-SX-SM	SC-LC Simplex Hybrid Singlemode Adaptor
AD-SC-ST-DX-SM	ST-SC Duplex Hybrid Singlemode Adaptor
AD-SC-ST-SX-SM	SC-ST Simplex Hybrid Singlemode Adaptor
AD-FC-ST-SX-SM	FC-ST Simplex Hybrid Singlemode Adaptor
AD-FC-SC-SX-SM	FC-SC Simplex Hybrid Singlemode Adaptor



FC-SC SIMPLEX HYBRID SINGLEMODE ADAPTOR

01403 754 233

SC-ST SIMPLEX HYBRID SINGLEMODE ADAPTOR

Other Hybrid specifications are available. Please contact our sales team.

PATCH PANELS

NetworksCentre.

- FIBRE OPTIC > Patch Panels/Wall Boxes & Enclosures
- > Available in black
- 6 variations available from stock. FC, ST, SC simplex & duplex, LC duplex and LC quad
- 1U accepts up to 24 ST, 24 FC, 12 SC Duplex, 24 LC duplex and 12 LC quad adaptors (multimode and singlemode)
- 2U accepts up to 48 ST, 48 FC, 24 LC Quad and 24 SC Duplex adaptors (multimode and singlemode)
- Supplied with 4 kurly loks, panel fixing kit and 2 x PG-11 Gland, 1 x PG-16 & 3 X blanks
- 3 cutouts at either side of the panel at the rear for cable entry into the back of the panel
- Adjustable ears allowing the panel to be installed either flush or recessed
- > Screen printed for port identification
- > 1U dimensions: 205D x 435W x 43.5H (1U)
- > 2U dimensions: 205D x 435W x 90H (2U)
- ➤ Cutout sizes: 4 x 20mm and 2 x 25mm for cable entry.
- ► 1.2mm mild steel

LC DUPLEX PATCH PANELS

For singlemode adaptors... JUST PUT 'SM' AFTER THE NUMBER OF ADAPTORS EG: PAT-24-LCD-S-04-SM-BK-SFE = 1U 19" LC patch pane loaded with 4 LC duplex singlemode adaptors.

LC PUSH IN STYLE ADAPTORS ALSO AVAILABLE

Part No:	Description:
PAT-24-SCS-UL-BK	1U 19" 24 Port LC Duplex Front Sliding Patch Panel, unloaded - Black
PAT-24-LCD-S-04-BK-SFE	1U 19" 24 Port LC Duplex Front Sliding Patch Panel loaded with 04 LC Duplex MM Adaptors - Black
PAT-24-LCD-S-06-BK-SFE	1U 19" 24 Port LC Duplex Front Sliding Patch Panel loaded with 06 LC Duplex MM Adaptors - Black
PAT-24-LCD-S-08-BK-SFE	1U 19" 24 Port LC Duplex Front Sliding Patch Panel loaded with 08 LC Duplex MM Adaptors - Black
PAT-24-LCD-S-12-BK-SFE	1U 19" 24 Port LC Duplex Front Sliding Patch Panel loaded with 12 LC Duplex MM Adaptors - Black
PAT-24-LCD-S-16-BK-SFE	1U 19" 24 Port LC Duplex Front Sliding Patch Panel loaded with 16 LC Duplex MM Adaptors - Black
PAT-24-LCD-S-24-BK-SFE	1U 19" 24 Port LC Duplex Front Sliding Patch Panel loaded with 24 LC Duplex MM Adaptors - Black

SC SIMPLEX PATCH PANELS



For singlemode adaptors... JUST PUT 'SM' AFTER THE NUMBER OF ADAPTORS EG: PAT-24-SCS-04-SM-BK-SFE = 1U 19" SC simplex patch panel loaded with 4 SC simplex singlemode adaptors.

Part no:	Description:
PAT-24-SCS-UL-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel, Unloaded - Black
PAT-24-SCS-04-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel loaded with 04 SC Simplex MM Adaptors - Black
PAT-24-SCS-06-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel loaded with 06 SC Simplex MM Adaptors - Black
PAT-24-SCS-08-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel loaded with 08 SC Simplex MM Adaptors - Black
PAT-24-SCS-12-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel loaded with 12 SC Simplex MM Adaptors - Black
PAT-24-SCS-16-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel loaded with 16 SC Simplex MM Adaptors - Black
PAT-24-SCS-24-BK-SFE	1U 19" 24 Port SC Simplex Front Sliding Patch Panel loaded with 24 SC Simplex MM Adaptors - Black

NetworksCentre.

SC DUPLEX PATCH PANELS



FC SIMPLEX PATCH PANELS





Part No:	Description:
PAT-24-FC-UL-BK-SFE	1U 19" 24 Port FC Simplex Front Sliding Patch Panel, Unloaded - Black
PAT-24-FC-04-SM-BK-SFE	1U 19" 24 Port FC Simplex Front Sliding Patch Panel loaded with 04 FC Simplex SM Adaptors - Black
PAT-24-FC-08-SM-BK-SFE	1U 19" 24 Port FC Simplex Front Sliding Patch Panel loaded with 08 FC Simplex SM Adaptors - Black
PAT-24-FC-12-SM-BK-SFE	1U 19" 24 Port FC Simplex Front Sliding Patch Panel loaded with 12 FC Simplex SM Adaptors - Black
PAT-24-FC-16-SM-BK-SFE	1U 19" 24 Port FC Simplex Front Sliding Patch Panel loaded with 16 FC Simplex SM Adaptors - Black
PAT-24-FC-24-SM-BK-SFE	1U 19" 24 Port FC Simplex Front Sliding Patch Panel loaded with 24 FC Simplex SM Adaptors - Black
PAT-48-FC-UL-2	2U 19" 48 Port FC Simplex Fixed Patch Panel, Unloaded - Black
PAT-48-FC-48-SM-BK-2U	2U 19" 48 Port FC Simplex Fixed Patch Panel loaded with 48 FC Simplex SM Adaptors - Black

> ST SIMPLEX PATCH PANELS



For singlemode adaptors... JUST PUT 'SM' AFTER THE NUMBER OF ADAPTORS EG: PAT-24-ST-04-SM-BK-SFE = 1U 19" ST patch panel loaded with 4 ST singlemode adaptors.

Part No:	Description:	
PAT-24-ST-UL-BK-SFE	1U 19" 24 Port ST Simplex Front Sliding Patch Panel Unloaded - Black	
PAT-24-ST-04-BK-SFE	1U 19" 24 Port ST Simplex Front Sliding Patch Panel Loaded with 04 ST Simplex MM Adaptors - Black	
PAT-24-ST-08-BK-SFE	1U 19" 24 Port ST Simplex Front Sliding Patch Panel Loaded with 08 ST Simplex MM Adaptors - Black	
PAT-24-ST-12-BK-SFE	1U 19" 24 Port ST Simplex Front Sliding Patch Panel Loaded with 12 ST Simplex MM Adaptors - Black	
PAT-24-ST-16-BK-SFE	1U 19" 24 Port ST Simplex Front Sliding Patch Panel Loaded with 16 ST Simplex MM Adaptors - Black	
PAT-24-ST-24-BK-SFE	1U 19" 24 Port ST Simplex Front Sliding Patch Panel Loaded with 24 ST Simplex MM Adaptors - Black	
PAT-48-ST-UL-2-BK	2U 19" 48 Port ST Simplex Fixed Patch Panel, Unloaded - Black	
PAT-48-ST-48-2	2U 19" 48 port ST Simplex Fixed Patch Panel Loaded with 48 ST Simplex MM Adaptors - Black	



PATCH BOXES

NetworksCentre.

- > Available in 2, 4, 8, & 16 way
- > Has a knockout on 3 of its sides to accommodate a cable gland
- 2, 4 and 8 way SC duplex, LC Quad or 4, 8 and 16 ST or FC adaptors
- The LC quad adaptor can be accommodated in the SC duplex hole
- > Can be used on a wall, desk or underfloor

> ST SIMPLEX PATCH BOXES



For singlemode adaptors... JUST PUT 'SM' AT THE END OF THE PART NUMBER! EG: WB-08-ST-08-SM = ST wall mount patch box loaded with 8 ST SM adaptors.

- > Finished in beige semi gloss
- > Manufactured with 1.2mm mild steel
- Dimensions:
 SCD 02 / ST 04 way 110mm x 110mm x 40mm
 SCD 04 / ST 08 way 160mm x 160mm x 40mm
 SCD 08 / ST 16 way 160mm x 160mm x 80mm
- Supplied with a PG-13.5 and 4 kurly loks

Part No:	Description:
WB-04-ST	4 Way ST Wall Mounted Patch Box Unloaded
WB-04-ST-02	4 Way ST Wall Mounted Patch Box loaded with 02 ST MM adaptors
WB-04-ST-04	4 Way ST Wall Mounted Patch Box loaded with 04 ST MM adaptors
WB-08-ST	8 Way ST Wall Mounted Patch Box Unloaded
WB-08-ST-04	8 Way ST Wall Mounted Patch Box loaded with 04 ST MM adaptors
WB-08-ST-08	8 Way ST Wall Mounted Patch Box loaded with 08 ST MM adaptors
WB-16-ST	16 Way ST Wall Mounted Patch Box Unloaded
WB-16-ST-12	16 Way ST Wall Mounted Patch Box loaded with 12 ST MM adaptors
WB-16-ST-16	16 Way ST Wall Mounted Patch Box loaded with 16 ST MM adaptors

SC PATCH BOXES



Part No: **Description: WB-02-SCD** 2 Way SC Duplex Wall Mounted Patch Box Unloaded WB-02-SCD-02 2 Way SC Duplex Wall Mounted Patch Box loaded with 02 SC Duplex MM adaptors WB-04-SCD 4 Way SC Duplex Wall Mounted Patch Box Unloaded **WB-04-SCD-02** 4 Way SC Duplex Wall Mounted Patch Box loaded with 02 SC Duplex MM adaptors WB-04-SCD-04 4 Way SC Duplex Wall Mounted Patch Box loaded with 04 SC Duplex MM adaptors **WB-08-SCD** 8 Way SC Duplex Wall Mounted Patch Box Unloaded **WB-08-SCD-06** 8 Way SC Duplex Wall Mounted Patch Box loaded with 06 SC Duplex MM adaptors **WB-08-SCD-08** 8 Way SC Duplex Wall Mounted Patch Box loaded with 08 SC Duplex MM adaptors

FC SIMPLEX SINGLEMODE PATCH BOXES



Part No:	Description:
WB-04-FC	4 Way FC Wall Mounted Patch Box Unloaded
WB-04-FC-02-SM	4 Way FC Wall Mounted Patch Box loaded with 02 FC SM adaptors
WB-04-FC-04-SM	4 Way FC Wall Mounted Patch Box Loaded with 04 FC SM adaptors
WB-08-FC	8 Way FC Wall Mounted Patch Box Unloaded
WB-08-FC-04-SM	8 Way FC Wall Mounted Patch Box loaded with 04 FC SM adaptors
WB-08-FC-08-SM	8 Way FC Wall Mounted Patch Box loaded with 08 FC SM adaptors
WB-16-FC	16 Way FC Wall Mounted Patch Box Unloaded
WB-16-FC-12-SM	16 Way FC Wall Mounted Patch Box loaded with 12 FC SM adaptors
WB-16-FC-16-SM	16 Way FC Wall Mounted Patch Box loaded with 16 FC SM adaptors

LC QUAD PATCH BOXES



Part No:	Description:
WB-02-LCQ	2 Way LC Quad Wall Mounted Patch Box Unloaded
WB-02-LCQ-02	2 Way LC Quad Wall Mounted Patch Box loaded with 02 LC Quad MM adaptors
WB-04-LCQ	4 Way LC Quad Wall Mounted Patch Box Unloaded
WB-04-LCQ-02	4 Way LC Quad Wall Mounted Patch Box loaded with 02 LC Quad MM adaptors
WB-04-LCQ-04	4 Way LC Quad Wall Mounted Patch Box loaded with 04 LC Quad MM adaptors
WB-08-LCQ	8 Way LC Quad Wall Mounted Patch Box Unloaded
WB-08-LCQ-06	8 Way LC Quad Wall Mounted Patch Box loaded with 06 LC Quad MM adaptors
WB-08-LCQ-08	8 Way LC Quad Wall Mounted Patch Box loaded with 08 LC Quad MM adaptors

DOUBLE LOCKING WALL BOXES

NetworksCentre.



► LC QUAD DOUBLE LOCKING WALL BOX

Part No:	Description:
WB-DL-12-LCQ-02	12 Way LCQ Double Locking Wall Boxes Loaded with 02 LCQ MM Adaptors
WB-DL-12-LCQ-04	12 Way LCQ Double Locking Wall Boxes Loaded with 04 LCQ MM Adaptors
WB-DL-12-LCQ-06	12 Way LCQ Double Locking Wall Boxes Loaded with 06 LCQ MM Adaptors
WB-DL-12-LCQ-08	12 Way LCQ Double Locking Wall Boxes Loaded with 08 LCQ MM Adaptors
WB-DL-12-LCQ-12	12 Way LCQ Double Locking Wall Boxes Loaded with 12 LCQ MM Adaptors
WB-DL-24-LCQ-24	24 Way LCQ Double Locking Wall Boxes Loaded with 24 MM Adaptors

> SC DUPLEX DOUBLE LOCKING WALL BOX

Part No:	Description:
WB-DL-12-SCD	12 Way SCD Double Locking Enclosure Unloaded
WB-DL-12-SCD-02	12 Way SCD Double Locking Enclosure Loaded with 02 SCD MM Adaptors
WB-DL-12-SCD-04	12 Way SCD Double Locking Enclosure Loaded with 04 SCD MM Adaptors
WB-DL-12-SCD-06	12 Way SCD Double Locking Enclosure Loaded with 06 SCD MM Adaptors
WB-DL-12-SCD-08	12 Way SCD Double Locking Enclosure Loaded with 08 SCD MM Adaptors
WB-DL-12-SCD-12	12 Way SCD Double Locking Enclosure Loaded with 12 SCD MM Adaptors
WB-DL-24-SCD-24	24 Way SCD Double Locking Enclosure Loaded with 24 SCD MM Adaptors

- > Available in up to 48 way SC, 48 way ST and 96 LC
- Lockable to prevent tampering
- > Different locks for each door
- Manufactured with 1.2mm mild steel
- > Dimensions: 380mm x 325mm x 70mm
- > Finished in beige semi gloss
- > Enclosure is supplied with a PG-11 gland and 4 kurly loks
- > Ports numbered for identification

For singlemode adaptors... JUST PUT 'SM' AT THE END OF THE PART NUMBER! EG: WB-DL-24-ST-02-SM = 24 way ST wall mounted double

> ST SIMPLEX DOUBLE LOCKING WALL BOX

Part No:	Description:
WB-DL-24-ST	24 Way ST Simplex Double Locking Enclosure Unloaded
WB-DL-24-ST-02	24 Way ST Simplex Double Locking Enclosure Loaded with 02 ST Simplex MM Adaptors
WB-DL-24-ST-04	24 Way ST Simplex Double Locking Enclosure Loaded with 04 ST Simplex MM Adaptors
WB-DL-24-ST-06	24 Way ST Simplex Double Locking Enclosure Loaded with 06 ST Simplex MM Adaptors
WB-DL-24-ST-08	24 Way ST Simplex Double Locking Enclosure Loaded with 08 ST Simplex MM Adaptors
WB-DL-24-ST-12	24 Way ST Simplex Double Locking Enclosure Loaded with 12 ST Simplex MM Adaptors
WB-DL-24-ST-16	24 Way ST Simplex Double Locking Enclosure Loaded with 16 ST Simplex MM Adaptors
WB-DL-24-ST-24	24 Way ST Simplex Double Locking Enclosure Loaded with 24 ST Simplex MM Adaptors
WB-DL-48-ST-48	48 Way ST Simplex Double Locking Enclosure Loaded with 48 ST Simplex MM Adaptors

FC SIMPLEX DOUBLE LOCKING WALL BOX

Part No:	Description:
WB-DL-24-FC	24 Way FC Simplex Double Locking Enclosure Unloaded
WB-DL-24-FC-02-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 02 FC Simplex SM Adaptors
WB-DL-24-FC-04-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 04 FC Simplex SM Adaptors
WB-DL-24-FC-06-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 06 FC Simplex SM Adaptors
WB-DL-24-FC-08-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 08 FC Simplex SM Adaptors
WB-DL-24-FC-12-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 12 FC Simplex SM Adaptors
WB-DL-24-FC-16-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 16 FC Simplex SM Adaptors
WB-DL-24-FC-24-SM	24 Way FC Simplex Double Locking Enclosure Loaded with 24 FC Simplex SM Adaptors
WB-DL-48-FC-48-SM	48 Way FC Simplex Double Locking Enclosure Loaded with 48 SM Adaptors



SPLICE BOX



- > Wide range of moulded enclosures supplied
- > Can supply with glands fitted at either end
- ► IK9 impact resistance
- > Integral mounting grids and integral sealing gasket
- > Back mounting plate available
- Compliant with IEC670
- ► RAL7035 grey
- > Available in 8 different sizes

Part No:	Description:
SP-BX-10-PG11-PG7	Plastic Splice Box Supplied with x1 pg11 Gland x1 pg7 Gland, Splice Bridge and Kurly Loks 100 x 100 x 60mm
SP-BX-24-PG11	Plastic Splice Box Supplied with x2 pg11 Glands, Splice Bridge and Kurly Loks 240 x 190 x 90mm
SP-BX-48-PG11	Large Plastic Splice Box Supplied with x4 pg11 Glands, 2 x Splice Bridge and kurly loks 300 x 220 x 120mm

PLASTIC EXTERNAL ENCLOSURE



Made from high quality glass fibre reinforced polyester. RAL 7032 colour. UL50 approved. Enclosure includes galvanised steel chassis plate and built-in door hood. Reversible door as standard. Enclosure is corrosion resistant and self extinguishing. Temp range -50°C to 150°C.

Features:

- ► RAL 7032 Grey
- Reversible Door
- ► IP66
- ► IK10
- > Complies with the RoHS Directive
- ► Compliant to EN 60439-1/ IEC 4391

Part No:	Description:
NC-SAR-P-310X436X250	310x436x250 Plastic External IP Rated Enclosure
NC-SAR-P-430X330X200	430x330x200 Plastic External IP Rated Enclosure
NC-SAR-P-530X430X200	530x430x200 Plastic External IP Rated Enclosure
NC-SAR-P-647X436X250	647x436x250 Plastic External IP Rated Enclosure
NC-SAR-P-757X536X300	757x536x300 Plastic External IP Rated Enclosure
NC-SAR-P-847X636X300	847x636x300 Plastic External IP Rated Enclosure

> SHEET STEEL EXTERNAL ENCLOSURE



Manufactured from a continuous length of 1.2mm sheet steel. 60 microns thick. Polyurethane gasket and rain gutter. Perforated door reinforcement allows for the fixing of extra equipment. Reversible door. Double bar door lock. Includes galvanised steel chassis plate. Earth continuity studs. IP66 rating.

Features:

- ► RAL 7035 Grey
- ► IP66
- Reversible Door
- Double Bar Door Lock
- > Complies with the RoHS Directive

Part No:	Description:
NC-SAR-S-300X250X150	300x250x150 Steel External IP Rated Enclosure
NC-SAR-S-400X400X200	400x400x200 Steel External IP Rated Enclosure
NC-SAR-S-500X600X250	500x600x250 Steel External IP Rated Enclosure
NC-SAR-S-500X500X250	500x500x250 Steel External IP Rated Enclosure
NC-SAR-S-600X600X250	600x600x250 Steel External IP Rated Enclosure
NC-SAR-S-800X600X300	800x600x300 Steel External IP Rated Enclosure

► IN-LINE ENCLOSURES - 96 WAY



NENCO Fibre Optic Inline Enclosures offer the ability to terminate up to 96 fibres. The enclosures provides the perfect solution for protecting fibre splices from the permeation of water. The unit is designed for underground, aerial, building entrances, pedestal and direct burial applications. It can cover most applications in fibre distribution networks such as FTTH and FTTC.

- > Resistant to vibration, UV and temperature fluctuations
- ► Water tight protection
- > Easily re-enter with minimum tools required
- ► Reusable
- > Supplied with 1 x 24 way splice tray
- Includes sheath retention and central strength member termination system

Part No:	Description:
NNFOSC106	4 cable entries max 22mm Accepts up to 4 x 24 fibre splice trays slim design 432mm x 186mm x 100mm
NNFOSC106-TRAY	24 Way Splice Tray to Suit NNFOSC106

► IN-LINE ENCLOSURES - 48WAY



- > Resistance to vibration, UV and temperature fluctuation
- > Rugged construction for long term reliability
- > Provide water tight protection
- > Easily re-enter with a minimum of tools, saves time and cost
- ► Reusable
- > Straight or branch joint
- Compact and lightweight
- > Suitable for limited space applications (handholes)
- > One size for all, up to 48 cores
- > Supplied with 2 x 12 way splice tray
- > Suitable for non pressurized networks

Part No:	Description:
NNFOSC101	2 cable entries max 14mm accepts up to 4 x 12fibre splice trays Compact design 280mm x 200mm x 90mm
NNFOSC101-TRAY	12 Way Spice Tray to Suit NNFOSC101

DOME ENCLOSURES

NENCO external dome splice closures are ideal for branch connections for up to 144 fibre terminations. They can be mounted on walls, direct buried or on poles with resistance to UV, vibration and a water tight seal. They have an excellent temperature range of -40 degrees to +60 degrees for long term reliability. Heat shrink seals are provided for cable entries and no specialist tools are required for entry into the joint. The cable base has a loop through cable entry allowing easy management of spare fibres required for future use.

Part No:	Description:
NNFOSC204A	4 round cable entries max 17.5mm, 1 oval cable entry max 24mm, Accepts up to 6 x 24fibre splice trays, Compact design 450mm x 230mm x 230mm
NNFOSC204A-TRAY	24 Way Spice Tray to Suit NNFOSC204A
NNFOSC209A	3 round cable entries max, 1 oval cable entry max 21mm, Accepts up to 4 x 12fibre splice trays, Compact design 288mm x 278mm x 278mm
NNFOSC209A-TRAY	12 Way Spice Tray to Suit NNFOSC209A





EXTERNAL FIBRE OPTIC TERMINATION BOXES

Three compact external fibre termination enclosure for up to $\mathbf{24}$, $\mathbf{32}$ or 108 fibres.

Nenco's compact external fibre termination enclosures are made from moulded plastic and are weather proof and UV resistant. They provide protection from dust and water ingress and have an IP65 rating. They can be used externally mounted on walls or poles as required.

The enclosures can be used as breakout or splice joint boxes. They have a built in patching area that accepts up to 12,16 or 54 SC simplex or LC duplex adapters with built in splice trays which allow input cables to be managed efficiently during termination. There is a write on label supplied fixed to the inside of the lid which allows for clear fibre identification.

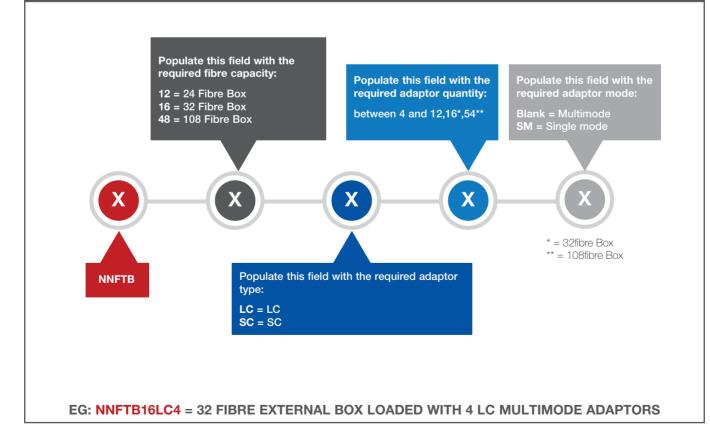
For the two smaller boxes, there are two input ports suitable for up to 12mm cable. Both have built in cable retention for extra security and 12 or 16 outlet ports, ideal for duplex or simplex drop cables.

The larger box has 15 input / output ports with a cable loop facility for branch cable. Where used as a breakout box, 12 ports can be used, each holding up to 4 simplex or duplex drop cables.

Part No:	Description:
NNFTBX30B	24 fibre box dimensions: 247mm x 204mm x 70mm Unloaded
NNFTBX20	32 fibre box dimensions: 260mm x 320mm x 90mm Unloaded
NNFTB48	108 fibre box dimensions: 398mm x 327mm x 118mm Unloaded



HOW TO CREATE OUR EXTERNAL FTB BOXES PART NUMBERS



NetworksCentre. Training Academy

Networks Centre Training Academy is ADTP Accredited, offering BICSI RCDD & manufacturer-led courses. Enhance your expertise today



BICSI RCDD Accreditation

Become the Best at Building Design

Gain advanced understanding of telecommunication systems. Learn about horizontal and backbone distribution, RFQ and select media installations.

Versiv Test Professional

Become a Fibre & Copper Test Expert

Versiv Test Professional Increases your knowledge of copper and fibre certification using the Fluke Networks DSX-8000. Learn about: test standards, understanding results and fault diagnostics.

+ Globally Recognised	+ Hands-on Demonstrations
+ Professional Designation	+ Real Test Scenarios

BICSI Data Centre Design Consultant Course (DCDC)

The BICSI DCDC course serves as a career path for those seeking advanced knowledge in this area. The 5 day course is built around the ANSI/BICSI 002-2014 standard, which is considered to be the foundation standard for data centres around the world.

City & Guilds Course

City & Guilds is a skills development organisation, providing training services to businesses around the world. Our courses are designed to integrate with your career and boost results. The vocational accreditation is valued worldwide.

ACCESSORIES

NetworksCentre.

BLANKING PLUGS



CABLE GLANDS



- > Compression Glands provide strain relief for the cable as it enters the enclosure
- ► Includes neoprene seal and locknut
- Protection rating IP68

SELF ADHESIVE CABLE CLIPS



► CABLE CLIP BASES



- > Constructs a path for spooling fibre optic cables
- > Can be used in patch panels or wall mounted enclosures
- > Self adhesive or screw mountable

(1)01403 754 233



Part No:	Description:
BP-SCD	SC Duplex Black Blanking Plug
BP-LCD	LC Duplex Black Blanking Plug
BP-SCS	SC/LC (SC Simplex Footprint) Simplex Black Blanking Plug
BP-ST	ST Simplex Black Blanking Plug

> Polyamide material

► Colour – black

- ➤ Colour black or grey
- ► Operating range -30°C to +80°C
- > Available with a spiral gland to control bend radius of the cable

Part No:	Description:
PG-7	2.5mm-6.5mm Cable Gland PG-7 Grey
PG-11	4.0mm-10mm Cable Gland PG-11 Grey
PG-11-BK	4.0mm-10mm Cable Gland PG-11 Black
PG-11-GY-SR	4.0mm-10mm Cable Gland PG-11 Grey with strain relief
PG-13.5-BK	6.0mm-12mm Cable Gland PG13.5 Black
PG-13.5-GY PG-16	6.0mm-12mm Cable Gland PG13.5 Grey 9mm-14mm Cable Gland PG16 In Grey

- > Used to secure cable or fibre in patch panels or wall mounted enclosures
- > Fibre retained and removed easily in clips by twisting the ears
- ► Natural colour
- ► For bundles up to 9mm
- ► Adhesive base

Part No:	Description:
KLB-350-01-AR-T	Kurly Loks (Height 35mm)

- > Twist lock easily inserted and removed
- > Base supports a large variety of cable clips
- ► For bundles up to 15.2mm
- > Natural colour

Part No:	Description:
OFSB-4-85-01-A	4 Way Adhesive Cable Clip Base
OFSB-4-85-01	4 Way Screw in Cable Clip Base
STL-J-250-4M-01	Twist Lock Clip for 5.1mm – 7.6mm Bundle
STL-J-350-4M-01	Twist Lock Clip for 7.6mm – 10.2mm Bundle
STL-J-450-4M-01	Twist Lock Clip for 10.2mm – 12.7 mm Bundle
STL-J-600-4M-01	Twist Lock Clip for 12.7mm – 15.2mm Bundle

247

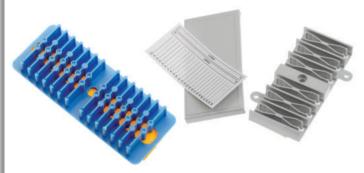
► 4 WAY SPLICE BRIDGE



- ➤ Holds up to 4 splice protectors
- > Comes with adhesive tab or can be screw fixed
- > For use in a fibre optic patch panel or a wall mounted patch box

Part No:	Description:
SB-4	4 Way Splice Bridge 45 x 30 x 12mm

> 24 WAY SPLICE BRIDGE

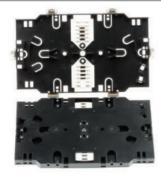


- ► Stores up to 24 fusion splice protectors
- > Grey splice bridge supplied with lid
- > Both types come with self adhesive base for fixing. (Grey splice bridge can also be screw fixed.)
- > For use in patch panels and wall mounted enclosures

Part No:	Description:
SB-24-B	24 Way Splice Bridge Blue with Adhesive Base 95 x 37 x 7mm
SB-24-L	12-24 Way Splice Bridge with Lid 100 x 65 x 11mm

> SPLICE CASSETTES

SPLICE PROTECTORS



- > For up to 12 fusion splice protectors
- ➤ Stackable
- > Manages and stores excess fibres
- > For use in patch panels or wall mounted enclosures
- > Self adhesive or screw mountable

Part No:	Description:
SPC-PX2SP-PL-KIT	12 Fibre Plastic Splice Cassette inc x2 Splice Holders for 6 Splice Protectors with Plastic Lid 155 x 92 x 6mm

- Designed to restore complete environmental and mechanical integrity of coating or buffer of optical fibre after splicing
 - Hot melt adhesive tube bonds both to the fibre and heat shrinkable tube to effectively encapsulate fusion splice
 - > Resistant to heat shocks
 - Sleeves are pre-shrunk which ensures integrity of assembly during transportation
 - ► Clear colour
 - > Other colours available upon request
 - > Available in 60mm or 45mm

Part No: Description:

SP-45-CR-100 45mm Splice Protectors (Clear) Pack of 100SP-60-CR-100 60mm Splice Protectors (Clear) Pack of 100



CLEANING & CONSUMABLES

NetworksCentre.

► LAPPING FILM



- ► Used to polish fibre optic connectors
- > Aluminium oxide sheets available from stock in 9 different grades
- > Diamond sheets available upon request
- Available in disc or sheet form
- > Available with adhesive back

Part No:	Description:
9 X 13 – <mark>X</mark> – A	9 x 13" Aluminium Oxide Lapping Film
6 X 9 – <mark>X</mark> – D	6 x 9" Diamond Coated Lapping Film

X – Insert Micron Between (0.3 to 30 micron)

E.g. 9X13-0.3-A = 9 x 13" 0.3 Micron Aluminium Oxide Lapping Film



► NEEDLE & SYRINGE

COLD CURE EPOXY

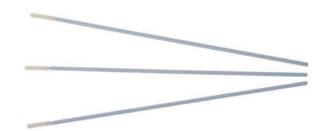
- > High strength anaerobic retaining adhesive
- > 50ml bottle can terminate up to 500 connectors
- Fast curing with no need for power
- > Activator available in spray form or fluid

Part No:	Description:
LOC-7649-500	500ml Activator for use with LOC638 (Liquid)
LOC7649-150	150ml Activator for use with LOC638 (Spray)
LOC638-50	50ml Cold Cure Anaerobic Adhesive

- ► Used to load connectors with epoxy
- > Needle and syringe screw together securely
- > Epoxy is delivered to the rear of the ferrule without trapping air bubbles
- > Suitable for directly loading from epoxy bi-packs
- ► 0.9mm needle
- ► 3cc syringe body

Part No:	Description:
NS3CC	Needle and Syringe

SWABS



Used for cleaning co	nnector ferrule (end faces,	adaptors and	
difficult areas				

> Available in 1.25mm and 2.5mm

Supplied in packs of 50

Part No:	Description:
SWAB-1.25	1.25mm Cleaning Swabs (Pack of 50)
SWAB-2.5	2.5mm Cleaning Swabs (Pack of 50)

► HAND HELD CLEANING CASSETTE



SHARPS BIN



► FLUKE NETWORKS CLEANING KIT



- Prevent the #1 cause of fibre link failure: end-face contamination. Everything needed for precision cleaning of end-faces on both patch leads and inside adaptors
- > Specially formulated solvent dissolves contaminants, neutralises static charge and encapsulates particles for removal
- A range of wipers and swabs enable cleaning of all styles of fibre optic connections
- By fitting in your pocket, fibre optic cleaning cards are perfect for troubleshooting

Kit includes:

- Cleaning cube with wipes
- > Ten cards with sealed cleaning zones
- ► Solvent pen
- > 2.5mm port cleaning swabs and 1.25mm port cleaning swabs
- Rugged carrying case

- Offers lint-free, clean room grade cleaning media which effectively removes dirt, dust, oil, grease and debris from connector end faces.
- Resilient rubber pad beneath the cleaning surface prevents scratching
- Sliding cover protects the cleaning media from contamination when not in use
- > Reel refills available

Part No:	Description:
CC-POUCH	Pouch for Fibre Optic Cleaning Cassette
CC-CASS	Clean Core Fibre Optic Cleaning Cassette and Tape

- > For the disposal of unwanted fibre shards and used needles.
- ➤ Water resistant
- > Captive closure top for ease of use
- Construction of the bin makes incineration less hazardous than burning of plastic containers

Part No:	Description:
SHA-BIN-Q	Sharps Bin (1/4 litre)

Part No:	Description:
NFC-KIT-CASE	Fibre Cleaning Kit with Cube, Fluid Pen 1.25+2.5mm Swabs 10 Cards and Case.

CLEANING KIT REPLACEMENT PARTS

Part No:	Description:
NFC-KIT-BOX	Fibre Cleaning Supplies Box with Cube, Fluid Pen, 2.5mm Swabs and 5 Cleaning Cards
NFC-CARDS-5PK	Fibre Optic Cleaning Cards for Connector End faces 5 pack
NFC-SOLVENTPEN	Fibre Optic Cleaning Solvent Pen 12ml
NFC-CUBE	Fibre Optic Cleaning Cube 800 Use
NFC-SWABS-1.25MM	Fibre Optic Cleaning Swabs for 1.25mm adaptors
NFC-SWABS-2.5MM	Fibre Optic Cleaning Swabs for 2.5mm Adaptors
NFC-CASE	Fibre Optic Cleaning Kit Case Only
NFC-IBC-1.25MM	One Click Cleaner for 1.25mm Connector and Patch Lead (5 pack)
NFC-IBC-2.5MM	One Click Cleaner for 2.5mm Connector and Patch Lead (5 pack)
NFC-IBC-MPO	One Click Cleaner for MPO Connector and Patch Lead (5 pack)

Chemtronics NetworksCentre.

► INSTALLATION & MAINTANANCE



FUSION SPLICER PREPERATION



► FIBER-WASH[™] PEN



In the I&M Fiber Optic Cleaning Kits, Chemtronics has included only the cleaning supplies necessary for making a successful 2.5mm fibre optic connection.

➤ Kit Includes:

- 1 QbE® Cleaning Platform (200 sheets)
- 1 Electro-Wash® PX Precision Fiber Optic Cleaner (ES810)
- 1 2.5mm Foam Fiber Optic Swabs (50 swabs, 48042F)
- 1 Lint-Free Precision Wipes (100 4"x4" wipes, 6704F)

5 - Electro-Wash® MX Premoistened Wipes (1 wipe per pack, CP421)

- 1 Instructions
- 1 Rugged Bag with carabineer attachment

Part Number:	Description:
CM-CFK1000E	Fibre Optic Cleaing Kit for Installation & Maintenance

➤ Kit Includes:

1- Fusion Splice Prep Cleaner with the unique vertical aerosol for single hand operation (FSP850)

1 – FsW Apertured Wipe for highly effective cleaning, 100 wipes (FSP100DRY)

2 - V-Groove and Ferrule Cleaning swabs, 100 swabs per tube (38542F)

2 – Fusion Splice Mirror and Lens Cleaning swabs, 50 swabs per tube (51125F)

- 1 X'Tenders (XTN)
- 10 Electro-Wash MX Universal Cleaner wipes (CP421)
- 1 Bag of 100 Lint Free Wipes (6704F)
- 1 Graphic Instructions
- 1 Rugged Bag with heavy-duty carabiner attachment

Part Number: Description:

CM-CFK1202E FTTX ALL-CONNECTION CLEANING KIT

- Non-flammable and non-hazardous formulation; provides safe travel convenience and transportability
- Effectively and efficiently removes handling soils, dust, oils, greases and contamination found in the fiber optic environment; especially the FTTx environment
- ➤ Specifically designed to clean with SqRTM, QbE[®] and p-QbE[®] Cleaning Systems using the Combination Cleaning process (CCpTM)
- > Pinpoint controlled dispensing of cleaning solution
- Dissipates static charge

 Part Number:
 Description:

 CM-FW2190
 FIBER-WASH™ PEN

(8)



Chemtronic

LECTRO

ASH.

ELECTROWASH PX CLEANER / DEGREASER

Description:

200ML

Part Number:

CM-ES810E

► ELECTROWASH PX CLEANER / DEGREASER

Electro-Wash® MX Cleaner Degreaser is a high flash point cleaner that quickly removes soils, adhesives and residues from insulation jackets and conductors on telecom, fibre optic and coaxial cables, while still being the ideal cleaner for removing oils, greases and dirt from hand tools and metal cleaning operations. Available in both a high-pressure aerosol formulation to spray areas clean and presaturated wipes to quickly wipe soils away. Excellent wetting action lifts and removes soils from the tightest areas. Electro-Wash® MX Cleaner Degreaser is also ideal for removing carbonisation, oxidised oils and greases from metal surfaces.

- Aerosol utilises All-Way Spray valve; sprays in any direction
- ► Safe on plastics
- ► Flammable
- ► Extra cleaning strength
- > Moderate evaporation rate increases cleaning power
- Leaves no residue
- > Removes organic and ionic soils
- > Liquid may be used in cold dip and rinsing applications

FIBRE OPTIC SWABS

ł	Part Number:	Description:
C	CM-48042F	EFB-10 2.5 MM FIBER OPTIC SWAB
(CM-CC505F	EFB-17 MTP 2.3 MM CONNECTOR CHAMOIS 18 6.8900 124.02 SWAB
(CM-38542F	EFB-11 V-GROOVE AND FERRULE CLEANING 18 3.7000 66.60 SWAB
(CM-51125F	EFB-12 FUSION SPLICE MIRROR CLEANING



► FTTX ALL-CONNECTION CLEANING KIT

➤ Kit Includes:

- 1 pQbE® Universal Cleaning Platform
- 2 (100)2.5mm Precision Foam Fiber Optic Swab Tool (48042F)
- 1 (50) 1.25mm Precision Swab Tool (26122F)
- 1 CC505F (25) "MT" Type Swab Tool
- 5 Electro-Wash® MX Universal Cleaner wipes (CP421)
- 1 Bag of 100 Lint Free Wipes (6704F) graphic instructions
- 1 Rugged Bag with heavy-duty carabiner attachment.

Part Number: Description:

CM-CFK1202E FTTX ALL-CONNECTION CLEANING KIT



Chemtronics NetworksCentre.

► PQBE CLEANING PLATFORM



Part Number:	Description:
CM-PQBE	PQBE™ Pocket QBE Fibre Optic End Face Cleaing Platforms and Groove

The pQbE Cleaning Platform is designed for portability to clean all FTTx connector geometries, including SC/LC, MT-Type, OptiFit[®], and E2000. It is the ultimate in performance and convenience, and provides first time cleaning, all the time.

- Conveniently fits into pockets and pouches for easy transport
- Developed for use with all connector types, SC, ST, FC, MT-type, APC and recessed connectors
- ➤ Raised, ridged FibersafeTM cleaning platen mounted atop the flat cleaning platen conforms to recessed connector end faces, and provides simultaneous cleaning to the ferrule and chamfer of non-recessed connectors
- Ridge causes wipe to deform slightly during use so previous cleaning path is visible and not retraced
- > Use with Electro-Wash[®] PX, Electro-Wash[®] MX, or Fiber-Wash cleaning solvents to perform the Combination Cleaning process (CCp™)
- Clear plastic packaging resists rain and provides view of remaining wipe quantity
- Rugged Bag with heavy-duty carabiner attachment

FOCCUS CCT CLEAR CONNECTION TOOL







Part Number:	Description:
CCT-250	Cleaning Tool for 2.5mm FC, SC and ST Connectors
ССТ-МРО	Cleaning Tool for MPO Connectors
CCT-125	Cleaning Tool for 1.25mm MU and LC Connectors

CCT[™] Clear Connection Tool used with the FOCCUS[™] MX Precision Cleaning Pen provides a fast, simple method of fibre optic cleaning. End faces in bulkheads or on cable assembles are both effortlessly cleaned the first time, every time. CCT has an easy to use mechanism that moves fabric over a cleaning tip with just a short push and click of the tool. Using the CCT with the FOCCUS MX Precision Cleaning Pen provides for fast, easy and repeatable Combination Cleaning[™].

CCT Cleaning tools are used with an MX Precision Cleaning Pen (see page 50). Wet the CCT fabric tip with the MX pen, insert the CCT tip into the connector, and push in the tool 1 click to move the fabric from wet-to-dry, perfectly cleaning the end-face. Combination Cleaning[™]eliminates all debris and contamination the first time, avoiding expensive rework from bad connections. Combination Cleaning[™] is industry proven, exceeding IEC 61300-3-35, IEC TR62627-01, and meeting Telcordia GR-2923-CORE and SAE Aerospace AIR6031.

- > Cleans panel mounted connectors and on jumpers
- ➤ Uses Combination Cleaning[™] process for first time cleaning, every time
- > Effective for the widest range of contaminants
- > Easy to use for quick and reliable cleaning
- ► Rugged and durable, great for all work sites
- ► Cleans UPC and APC connectors
- > Up to 800 cleanings per kit 33% more than other tools

Chemtronics NetworksCentre.

Supplied dry for safe travel and easy transportation

preferred cleaning solvent

residues

particles

Part Number:

CM-FSW

Wipes can be used dry and wetted individually, or the tub and perforated roll of wipes can be saturated on-site with the

Unique, apertured surface cleans gel, colour layer, cladding

Wipes are non-scratching, non-linting, soft and absorbent Wipes feature aperture pockets to collect gritty, scratch-inducing

Clean perforations do not generate long, loose strings and

Compact size ideal for tool kits, cleaning kits, congested work

Fusion Splice Wipes 100 Wipes In Mini Tub

fibrous tails when torn from the tub opening

Description:

benches and tight work spaces

FUSION SPLICE PRESATURATED



COVENTRY ECONOWIPES

Coventry Econowipes[™] are made from a hydro-entangled, 45/55 cellulose/polyester blend, for optimum purity in a nonwoven wipe. These wipes have excellent absorbency, and contamination entrapment, as well as high strength. Econowipes[™] are ideal as an economical utility wipe for any clean area.

- > Excellent solvent and dilute acid resistance
- Economical

>

- ► Excellent durability
- Excellent particle entrapment
- High absorbency capacity and rate
- Low linting compared to cotton

Part Number:	Description:
CM-6704F	Coventry Econowipes (10cmx10cm)

ELECTRO-WASH MX PRESATURATED WIPE



Electro-Wash® MX Cleaner Degreaser is a high flash point cleaner that quickly removes soils, adhesives, and residues from insulation jackets and conductors on telecom, fibre optic and coaxial cables. Engineered with very low surface tension, this formulation penetrates and removes soils quickly with excellent wetting action, lifting and removing soils from the dirtiest areas. Electro-Wash® MX Cleaner Degreaser is also ideal for removing carbonisation, oxidised oils and greases from metal surfaces.

Part Number:	Description:
CM-CP421	Electro-wash® Mx Cleaner/degreaser

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► CHEMPAD[™] PRESATURATED WIPES

Chempad[®] Presaturated Wipes are general purpose, super saturated, lint-free cleaning felt wipes. They are excellent for general purpose cleaning of computers, office and laboratory equipment. These highly effective cleaning wipes are ideal for cleaning sensitive surfaces, fibre optic connectors, electronics components, touch keypads, keyboards, instrument housings, and magnetic tape heads. Chempad[®] quickly and safely removes handling soils, dirt and oxides from PCB's, mechanical / electrical assemblies and other electronic equipment. Chempad[®] is especially effective in removing ink and permanent marker.

- > Saturated with 91% IPA / 9% deionized water
- Heavy-duty, highly absorbent felt wipe
- Solvent evaporates completely, leaving no residue
- > Nonabrasive, safe on plastics
- Ideal cleaning wipe for field service of computers, office equipment and electronics
- Cleans dirt, oxides, and oil from optical and magnetic tape heads

Part Number: Description:

CM-CP400

Box Of 50 Individually Packaged 3" X 4" (7.6 Cm X 10.2 Cm) Presaturated Pad



► QBETM CLEANING PLATFORM

QbE[™] Cleaning Platform is the patented Precision Wipe System for cleaning fibre optic end-faces. It is a self-contained cleaning tool that can be used dry or wet. The QbE[™] is convenient and economical for use in field or OEM applications.

- Complete Fibre Optic Cleaning System No refills to buy or investment in expensive mechanisms to maintain
- ➤ Effective "Wet" or "Dry" Connector Cleaning The only cleaning system that gives both options: For "Wet" cleaning use Electro-Wash™ PX Fiber Optics Cleaner or blot connector on Electro-Wash™ MX Presaturated wipe first

Part Number:	Description:
CM-QBE	QBE™ Fibre Optic End Face Cleaning Platform



Chemtronics NetworksCentre.

► QBE[®]-2 CLEANING PLATFORM



The QbE[®]-2 Cleaning Platform is designed for ultimate in performance and convenience. The cleaning platform includes the FiberSafe[™] platen to assure no end face damage during cleaning processes. Using the QbE[®]-2 platform makes UPC and APC (angled) end face cleaning easy and provides for first time cleaning.

- The QbE®-2 Cleaning Platform is the latest evolution of QbE® cleaning tools for the Fibre optic end face QbE®-2 is compact with up to 400 cleaning operations per tool
- Utilizes FiberSafe[™] platen to assure proper cleaning without damaging the end face
- > Convenient lanyard attachment
- Complete instructions on each container with a QR code for VideoLab™ training

Part Number:	Description:
CM-QBE2	QBE®-2 Compact Fibre Optic End Face Cleaning Platform

► ULTRAJET[®] ALL-WAY DUSTER



Ultrajet[®] compressed gas duster is a high pressure duster that cleans electronics without scratching delicate surfaces. This duster/ cleaner is nonflammable, residue-free and won't scratch delicate surfaces.

- ➤ Safe on plastic
- Completely nonflammable
- XXtra cleaning strength
- > 100% ultra-pure HFC-134a
- ► Filtered to 0.2 microns
- Leaves no residue

Part Number:	Description:
CM-ES1620E	Ultrajet All-way Duster

ELECTRO-WASH MX PEN

Electro-Wash® MX Precision Fibre Optic Cleaning Pen is engineered for cleaning fibre optic connectors, splices and ribbons. This precision cleaner quickly and safely cleans the end face of fibre optic connectors, while eliminating electrostatic charges that promote particles adhering to the end face surface. The cleaning formulation is plastic safe and residue free. This non-pressurised container can be easily transported.



- > Specifically formulated for cleaning all fibre optic connectors
- > Removes handling soils, dust, oils and airborne contamination
- Cleans alone, with the QbE[®] Cleaning System, or with the Combination Cleaning process (CCp[™])
- Cleans and eliminates electrostatic deposits of airborne contaminants
- > Completely portable; controlled dispensing of cleaning solution

Part Number:Description:CM-FW2150Electrowash Px Cleaner Pen

COPPER CABLING & VOICE

►	Cat5e Cable	258
≻	Cat5e Jacks & Modules	259
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CAT5e

► NENCO CAT5E UTP COPPER CABLE



Nenco Cat5e LSZH copper cable is a component of the Nenco Copper Cabling System. Nenco Cat5e cable has been tested in the field by experienced engineers and consistently provides extended headroom against industry standards. During installation, the cable pulls effortlessly from the packing box and has a low memory/kink reflex. The sheath is easy to strip and the pairs aresimple to separate.

Technical Data Internal:

- ► Rated temperature: 75°C
- ► Reference standard: TIA 568-C.2
- > Solid bare copper conductor
- ► Colour-coded PE insulation
- ► LSZH jacket
- ► Colour: RAL4005
- ► EN50575: 2014 Euroclass E_{ca}

Part No:	Description:
NN5ECBLVTLSOH	Internal Cat5e U/UTP 24AWG solid copper conductors with HDPE insulation, 4 pair twisted data cable with a LSZH jacket supplied in 305m Reelex box. Colour Violet.

► NENCO CAT5E UTP COPPER CABLE EXTERNAL



Nenco External Cat5e copper cable is a component of the Nenco Copper Cabling System. Nenco Cat5e cable has been tested in the field by experienced engineers and consistently provides extended headroom against industry standards. During installation, the cable pulls effortlessly from the packing box and has a low memory/kink reflex. The sheath is easy to strip and the pairs simple to separate.

Technical Data External:

- ► Rated temperature: -20°C to +75°C
- ► Reference standard: UL444, TIA 568-C.2 & ISO 11801, UL1581
- ► Solid bare copper conductor
- ► Colour-coded PE insulation
- > PE (UV Resistant) jacket
- ► Rated cold bend no crack at 20°C x 4hrs

Part No:	Description:
NN5ECBLEXT305	External Cat5e U/UTP 24AWG solid copper conductors with HDPE insulation, 4 pair twisted data cable with a PE (UV resistant) jacket supplied in 305m Reelex box. Colour Black.



JACKS & MODULES

NetworksCentre.

► NENCO CAT5E UTP JACK

Part No:

NN5EJACKUTPWH



Materials:

- ► Housing: polycarbonate resin high-impact ul94v-0 thermoplastic
- Spring wire: phosphor bronze c5210-eh, t=0.35Mm, 50u" gold over 60u" nickel undercoat on contact area
- ► IDC plastic: polycarbonate resin high-impact ul94v-0 thermoplastic
- ► IDC contact: phosphor bronze c5191r-h, t=0.4Mm, 150u" tin over 70u" nickel undercoat

Keystone style snap-in jack with T568B colour code and numbered IDC block to aid identification. Used in conjunction with the Nenco Easy-Tool, it enables all 8 cores to be terminated simply in one motion ensuring an accurate connection and neat finish every time. Can also be used with either 110 or Krone style punch down tools. The keystone construction allows it to snap easily into 25mm x 50mm shuttered modules.

Physical Characteristics:

- Suitable impact tool: 110/Krone style punch down tool
- ► Insertion life: 750 mating cycles with FCC compliant 8p plug
- ► Contact force: 100 grams with FCC compliant 8p plug
- > Plug retention force: 11 lbf min
- > Durability: 200 termination cycles
- > Contact compatibility: accommodates 22 to 24 AWG solid
- ► Operating temperature range: -10°C to 60°C
- ► Storage temperature range: -40°Cto 68°C
- ► Humidity: 10%~90%rh
- > Nenco Easy-Tool for quick and simple installation.

NENCO CAT5E UTP LOW PROFILE SHUTTERED MODULE

NENCO Cat5e UTP Jack with IDC

Description:

Cap White



Combined jack and module ideal for applications where back box space is limited. Provides a maximum depth of only 19mm with standard 25mm x 50mm module. Rear IDC is suitable for use with a Krone style punch down tool and is supplied with T568B colour coding. Handy flip down window for labelling options.

Materials:

- ► Module housing: ABS UL 94V-0
- Spring wire: Phospher bronze Goldplated 50v over nickel
- ► IDC plastic: PC UL94V-0
- ► IDC contact: Phosper Bronze with "Ag over 100u"
- ► Nickel undercoat
- ► IDC block: 200 termination cycles
- Modular jack: 750 mating cycles suitable impact tool: krone style punch down tool

Part No:

Description:

NN5EMODUTPWH

NENCO Cat5e UTP Low Profile Shuttered Module 25x50mm White

PATCH PANELS



Nenco Cat5e patch panels are supplied fully compliant with industry standards. There are 24 UTP ports all numbered (and with an individual write on space to aid port identification). The rear IDC uses a universal style punch down tool with colour code in accordance with T568B wiring. Mounts for cable ties are evenly spaced around the IDC's to aid cable management.

Physical Specification:

- ► Insertion life: 750 Mating Cycles with FCC Compliant RJ45 plug
- ► Contact force: 100 Grams with FCC Compliant RJ45 Plug
- ► Plug retention force: 100 ibf min

> Durability: 200 termination cycles

► Humidity: 10%-90%RH

- ► Contact compatibility: accommodates 22 to 26 AWG solid/24 AWG Stranded
- ➤ Operating temperature: -10°C to 60°C

Part No: NN5EPP24

NENCO Cat5e UTP patch pane PAT GHARANELS> Storage temperature: -40°C to 68°C

PATCH LEADS

CAT5E PATCH LEADS

Cable Management

Description:

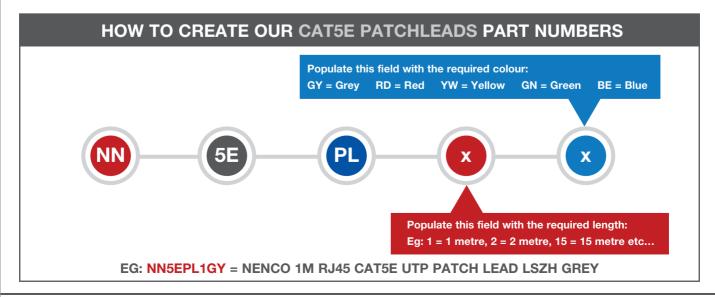




Our copper patch leads are manufactured to exceed the performance characteristics as detailed in ISO-11801 and EIA/TIA-568B. They are manufactured using stranded cables and high quality plugs and can be supplied with LSZH sheath as standard. All leads come with moulded, snag free boots to ease installation. Available in a variety of colours and lengths to suit. Leads are supplied fully tested and in individual bags.

Features:

- ► ROHS compliant
- ► ISO-11801 and EIA/TIA-568B
- > Available in any colour and length



NetworksCentre.

PLASTICS

► NENCO UNLOADED ANGLED EURO MODULE



Angled shuttered modules are designed for use with standard UK style faceplates with 50mm cut outs. They accept jacks that have a Keystone style footprint. The mounting of the jack means it angles into the back box reducing the overall depth required for termination. The module has an identification space with a flip down window and a coloured marker for PC or Phone identification.

Part No:	Description:
NNANS25X50WH	NENCO Unloaded Angled Euro Module 25 x 50mm in White

► NENCO UNLOADED ANGLED SHUTTERED MODULE LJ6C



Angled shuttered floor box modules are designed for use with standard 38 x 25mm cut outs. They accept jacks that have a Keystone style footprint. The mounting of the jack means it angles into the back box reducing the overall depth required for termination. The module has an identification space for easy location of a printed label.

Part No:	Description:
NNANSLJ6CWH	NENCO Keysto Shuttered Modu

NENCO Keystone Unloaded Angled Shuttered Module LJ6C White

► NENCO UNLOADED FLAT SHUTTERED MODULE



Flat shuttered modules are designed for use with standard 25 x 50mm cut outs and easily snap into UK style faceplates. They accept jacks that have a Keystone style footprint. The module has an identification space for easy location of a printed label.

Part No: NNFS25X50WH

Description:

NENCO Unloaded Flat Shuttered Module 25 x 50mm White





► NENCO HALF BLANK



► NENCO SINGLE GANG FACEPLATE



► NENCO DOUBLE GANG FACEPLATE



Material:

► ABS high-impact UL94V-0 (Thermoplastic)

Technical Data:

- ► Operating temperature range: -10°C to 60°C
- ► Storage remperature range: 40°C to 68°C
- ► Humidity: 10% 90% RH

Part No:	Description:
NNQBWH	NENCO Quarter Blank

Material:

► ABS high-Impact UL94V-0 (Thermoplastic)

Technical Data:

- ► Operating temperature range: -10°C to 60°C
- ► Storage temperature range: 40°C to 68°C
- ► Humidity: 10% 90% RH

Part No:	Description:
NNHBWH	NENCO Half Blank

Material:

> ABS high-impact UL94V-0 (Thermoplastic)

Screw:

> Slotted oval head (Countersunk) M3.5 X 30MM nickel plated

Technical Data:

- ► Operating temperature range: -10°C to 60°C
- ► Storage temperature range: 40°C to 68°C
- ► Humidity: 10% 90% RH

Part No:	Description:
NNSGFPWH	NENCO Single Gang Faceplate

Material:

> ABS High-impact UL94V-0 (Thermoplastic)

Screw:

> Slotted oval head (Countersunk) M3.5 X 30MM Nickel Plated

Technical Data:

- ► Operating temperature range: -10°C to 60°C
- ► Storage temperature range: -40°C to 68°C
- ► Humidity: 10% 90% RH

Part No:	Descr
NNDGFPWH	NENCO

Description: NENCO Double Gang Faceplate

CAT6

▶ NENCO CAT6 LSZH UTP COPPER CABLE



Nenco Cat6 LSZH Copper Cable is a component of the Nenco Copper Cabling System.

Nenco Cat6 cable has been tested in the field by experienced engineers and consistently provides extended headroom against industry standards. During installation, the cable pulls effortlessly from the packing box and has a low memory/kink reflex. The sheath is easy to strip and the pairs simple to separate.

Technical Data:

- ► Rated temperature: 75°C
- ► Reference standard: TIA 568-C.2
- > Solid bare copper conductor
- Colour-coded PE insulation
- ► LSZH jacket
- ► EN50575: 2014 Euroclass E_{ca}

Part No: NN6CBLVTLSOH

Description:

Internal Cat6 U/UTP 23AWG solid copper conductors with HDPE insulation, 4 pair twisted data cable with a LSZH jacket supplied in 305m Reelex box. Colour Violet.

▶ NENCO CAT6 UTP COPPER CABLE EXTERNAL



Nenco Cat6 LSZH Copper Cable is a component of the Nenco Copper Cabling System.

Nenco Cat6 cable has been tested in the field by experienced engineers and consistently provides extended headroom against industry standards. During installation, the cable pulls effortlessly from the packing box and has a low memory/kink reflex. The sheath is easy to strip and the pairs simple to separate.

Technical Data:

- ► Rated temperature: -20°C to +75°C
- ► Reference standard: UL444, TIA 568-C.2 & ISO 11801, UL1581
- Solid bare copper conductor
- Colour-coded PE insulation
- > PE (UV Resistant) jacket
- Rated cold bend no crack at 20°C x 4hrs

Part No: Description: NN6CBLEXT305 External Cat6 U

External Cat6 U/UTP 23AWG solid copper conductors with HDPE insulation, 4 pair twisted data cable with an integrated pair divider in a PE (UV resistant) jacket supplied in 305m Reelex box. Colour Black



JACKS & MODULES

▶ NENCO CAT6 UTP KEYSTONE JACK



Keystone style snap-in jack with T568B colour code and numbered IDC block to aid identification. Used in conjunction with the Nenco Easy-Tool, it enables all 8 cores to be terminated simply in one motion ensuring an accurate connection and neat finish every time. Can also be used with either 110 or Krone style punch down tools. The keystone construction allows it to snap easily into 25mm x 50mm shuttered modules.

Physical characteristics:

- > Suitable impact tool: 110/Krone style punch down tool
- ► Insertion life: 750 mating cycles with FCC compliant 8p plug
- > Durability: 200 termination cycles
- > Contact compatibility: accommodates 22 to 24 AWG solid
- ➤ Operating temperature range: -10°C to 60°C
- ► Humidity: 10%~90%rh

Part No:	Description:
NN6JACKUTPWH	NENCO Cat6 UTP Keystone Jack with IDC Cap White

▶ NENCO CAT6 UTP LOW PROFILE SHUTTERED MODULE



Combined jack and module for applications where the back box space is limited. Provides a maximum depth of only 19mm with standard 25mm x 50mm module. Rear IDC is suitable for use with a Krone style punchdown tool and is supplied with T568B colour coding. Handy flip down window for labelling options

- ► Module Housing: ABS UL 94V-0
- Spring wire: Phospor Bronze Goldplated 50µ over Nickel
- ► IDC Plastic: PC UL94V-0
- ► IDC contact: Phosphor Bronze with "AG OVER 100µ"
- ► Nickel Undercoat
- ► IDC Block: 200 termination Cycles
- Modular Jack: 750 mating cycles suitable Impact tool: Krone style punch down tool

NN6MODUTPWH NENCO Cat6 UTP low profile shuttered module 25X50mm White. Krone style IDC Punch Down	Part No:	Description:
	NN6MODUTPWH	module 25X50mm White. Krone style IDC

- RJ45 crimp-on connectors for use with with stranded or solid-core Cat6 twisted pair cable.
- > 30μ " gold plated for reliability.
- > Made from high quality polycarbonate.
- ► Sold individually

Part No:	Description:
NC-C6-PLUG-UTP-SOL	NENCO Cat6 UTP Solid Crimp Plug
NC-C6-PLUG-UTP-STR	NENCO Cat6 UTP Stranded Crimp plug

COPPER CABLING & VOICE > Cat6

► NENCO CAT6 PLUGS



PATCH PANELS

NetworksCentre.

NENCO CAT6 UTP PATCH PANEL



Part No: NN6PP24M

Description: NENCO Cat6 UTP Patch Panel 24 Port with

Cable Management

PATCH LEADS CAT6 PATCHLEADS

Nenco Cat6 patch panels are supplied fully compliant with industry standards. There are 24 UTP ports all numbered and with an individual write on space to aid port identification. The rear IDC uses a universal style punch down tool with colour code in accordance with T568B wiring. The panel is supplied with a convenient cable management bar which can be fitted easily on to the rear of the panel if required.

Physical Specification:

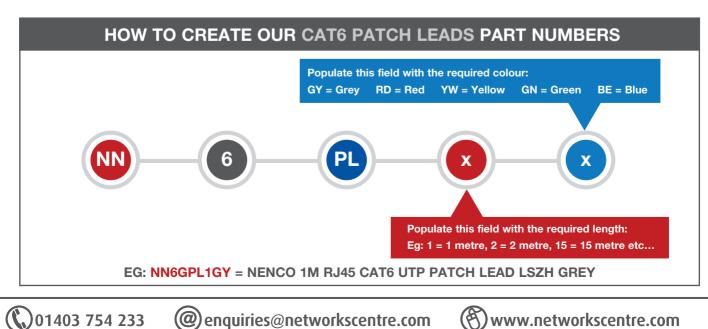
- ► Insertion life: 750 Mating Cycles with FCC Compliant RJ45 plug
- ► Contact force: 100 Grams with FCC Compliant RJ45 Plug
- ► Plug retention force: 100 ibf min
- ➤ Contact compatibility: accommodates 22 to 26 AWG solid/24 AWG Stranded
- ► Operating temperature: -10°C to 60°C
- ► Storage temperature: -40°C to 68°C
- ► Humidity: 10%-90%RH
- Durability: 200 termination cycles



Our copper patch leads are manufactured to exceed the performance characteristics as detailed in ISO-11801 and EIA/TIA-568B. They are manufactured using stranded cables and high quality plugs and can be supplied with LSZH sheath as standard. All leads come with moulded, snag free boots to ease installation. Available in a variety of colours and lengths to suit. Leads are supplied fully tested and in individual baos.

Features:

- ► ROHS compliant
- ► ISO-11801 and EIA/TIA-568B
- > Available in any colour and length



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INDUSTRIAL

NetworksCentre.

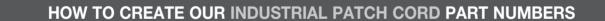
► NENCO CAT5E AND CAT6 INDUSTRIAL PATCH LEADS

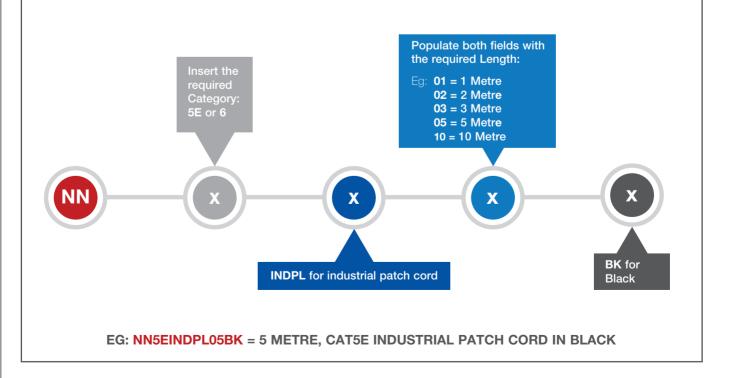
Our indsutrial patch leads are fitted with industral boots are ideal for any installation where extra protection is required.

The ruggedised shell also has a cap fitted which can be taken off during installation and replaced once the connector has been taken out of the socket. Ideal for leads which are going to be used over and over.

- > Robust strain relief holds cable securely
- > Cables can be pulled into place without gettting snagged
- > RJ45 connector protected by ruggedized shell
- ► IP67 compliant







CAT6A FIELD TERMINABLE PLUG

- Applications include Premise & Data Centre 10GBase-T / Indus-> trial Ethernet / CCTV / UHD TV
- Assembled in 60secs without special tools
- Zinc die cast housing with 360° shielding and full metal shielding between wire pairs
- Secure data transmission in high noise (EMI/RFI) environments >
- strain relief settings (cable diameter 5.0mm to 9.0mm) >
- Wiring scheme T568B >
- -40°C to 85°C (-40°F to 185°F)
- Meets IEEE 802.3af and IEEE 802.3at for PoE & PoE+ applications
- Meets the channel requirements of ANSI/TIA-568-C.2 Cat6A and ISO 11801 2nd Edition Class EA in a 4-connector configuration up to 100 meters
- Insulation diameter 1.0mm 1.6mm
- Conductor size solid AWG 24/1 AWG 22/1. Stranded conductor AWG 27/7 - 22/7

NENCO IP67 RATED INDUSTRIAL RANGE

A range of IP67 compliant feed through couplers, patch leads and

> Ideally suited for industrial & harsh environments subject to dust or

► Ideal for use with NENCO External Cat5e and Cat6 cable.

> Dust caps maintain environmental rating when plug/jack

liquids including temporary immersion (30mins in 1m depth water)

IP20 rating with pre-assembled protection cap.

bulkhead mounted Cat5e and Cat6 keystone jacks.

disconnected



Part No:	Description:
NN6AINDPGSTP	Cat6A Field Tern

eld Terminable Plug

Part No: **Description: NN5EINDSTP**

NN5EINDSTPC

NN6INDSTP NN6INDSTPC

Cat5e STP Industrial Keystone Jack Cat5e STP Industrial Keystone Jack with dust cap Cat6 STP Industrial Keystone Jack Cat6 STP Industrial Keystone Jack with dust cap



Part No:	Description:
NN5EINDCSTP	Cat5e STP Industrial Bulkhead Adaptor
NN5EINDCSTPC	Cat5e STP Industrial Bulkhead Adaptor with dust cap
NN6INDCSTP	Cat6 STP Industrial Bulkhead Adaptor
NN6INDCSTPC	Cat6 STP Industrial Bulkhead Adaptor with dust cap
Part No:	Description:

NNINDS

Waterproof kit for outdoor cable

TELECOMS & VOICE PRODUCTS

▶ GEL FILLED EXTERNAL VOICE CABLE

Multi-pair external grade telephone cables are compliant with CW1128 and for steel wire armoured version CW1128-1198. The cables are grease filled for moisture protection and suitable for direct burial.

Features:

- > UV and moisture resistant
- ► Suitable for direct burial
- ► 0.5mm conductor size
- ► Cut to Length service

Part No:	Description:
NC-CW1128	CW1128 Voice Cable Gel Filled External
NC-CW1128-1198	CW1128-98 Armoured Voice Cable Gel Filled External

INTERNAL/EXTERNAL VOICE CABLE



The following range of multi-pair telephone cables are constructed in a similar way to standard BT type CW1308, but are suitable for internal and external use due to a UV resistant jacket. The cable's specification is further enhanced by the use of Low Smoke Zero Halogen (LSZH) Outer Sheath. Available in high core counts.

Features:

- ► Internal/External grade
- ► Integral 1/1.38mm earth conducto
- Save installation time and cost
- ► 0.5mm conductor size
- ► Black LSZH outer sheath
- ► Cut to Length service

Description:

NC-CW1308B

Part No:

CW1308B Voice Cable Internal/External Cable with/without Earth

Specification:

Conductor

- ➤ Diameter: 0.50 mm nominal
- ► Elongation: Min. 15%

Insulation

- > Each conductor is insulated with foam skin HDPE material
- ► Insulation diameter: 0.90 mm Nom

Cable Core Wrapping:

The cable core is wrapped with the longitudinal application of non-hygroscopic and non wicking polyester tape of suitable thickness and wrapped with nylon binder

Filling: The interstices of cable core completely filled with cable filling compound

Specification:

Conductor

- ➤ Diameter: 0.50 mm nominal
- ► Elongation: 18 to 24%

Insulation

- Each conductor insulated with PVC as per BS 6746 The insulated conductor spark test at 4.5 KVDC
- Ring marking consist of ink bands on base colour. Markings identifiable in every 16 mm length. Markings occupy between 20% and 30% of the total area of insulation
- > Diameter Over Dielectric: Avg. 0.85 +/- 0.005 mm

Earth Conductor

- ➤ Conductor diameter: 1.38 mm Nominal
- ► Insulation diameter: 2.70 +/- 0.05 mm
- ► Colour of insulation: cream

Cable Core Wrapping:

The cable core and PVC Insulated Earth Conductor are wrapped with the longitudinal application of non-hygroscopic and non-wicking polyester tape of thickness 0.036 mm minimum and wrapped with nylon binder

Sheathing: The laid up cable is sheathed with LSZH type black compound with the longitudinal application of APL Foil

How to create our voice cabling part numbers Populate this field with the number of pairs required: If you require the cable to be armoured flease insert (1198) if not leave blank. Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type of cable required: Image: Populate this field with the type

NetworksCentre.

► INTERNAL VOICE CABLE



The following range of multi-pair internal telephone cables are manufactured in accordance with BT type CW1308 for internal use. Used for wiring telephone line outlet sockets, it is also useful for other low voltage, low current applications. The cable uses solid tinned annealed copper conductors, each 0.5mm diameter. With an overall LSZH sheath and available with earth

conductor. Available in high core counts.

Features:

- ► Internal grade
- ► Integral 1/1.38mm earth conductor
- > Save installation time and cost
- ► 0.5mm conductor size
- ► LSZH outer sheath

TELEPHONE VOICE PANEL

Specification:

Conductor

- > Diameter: 0.50 mm nominal
- ► Elongation: 18% to 24%

Insulation

- ► Each conductor is insulated with PVC as per BS 6746 the insulated conductor spark test at 4.5 KVDC
- > Ring marking consist of ink bands on base colour. Markings identifiable in every 16 mm length. Markings occupy between 20% and 30% of the total area of insulation
- ➤ Diameter Over Dielectric: Avg. 0.85 +/- 0.005 mm Earth Conductor
 - ➤ Conductor diameter: 1.38 mm Nominal
 - ► Insulation diameter: 2.70 +/- 0.05 mm
 - ➤ Colour of insulation: cream

Cable Core Wrapping:

The cable core and PVC insulated earth conductor wrapped with the longitudinal application of non-hygroscopic and non-wicking polyester tape of thickness 0.036 mm minimum and wrapped with nylon binder.

Part No: **Description:**

NC-CW1308 CW1308 Voice Cable Internal with / without Earth



Voice Panels are a cost effective method for terminating multi-pair telephone cables. All Voice Panels are 19" for rack mounting and 1U high. Each panel is available in a 25 port with all the RJ45 presentations in one line and a high density 50 port version also available. The panels have built in rear cable management as standard and each port is individually numbered for identification. Voice Panels are supplied as 6 wire (1/2, 3/6, 4/5) with LSA Krone style IDC blocks.

- ➤ Up to 50 x RJ45 ports in 1U Rack space
- > Supplied with cable ties and cage nuts
- > Built-in rear cable management
- ➤ Material High carbon steel
- ➤ Colour Black powder coating
- ➤ Termination LSA style IDC
- ▶ Dimensions: Width 484mm; Height 44mm; Depth 132mm/163m

Part No:	Description:
NC-PAT-25-VP-6	25 Port UTP Telephone Voice Panel Krone IDC 6 Wire
NC-PAT-50-VP-6	50 Port UTP Telephone Voice Panel Krone IDC 6 Wire

CONNECTION STRIPS, BOXES & PANELS NetworksCentre.

► KRONE STYLE 10 PAIR IDC CONNECTION BLOCK



► LABEL HOLDER FOR IDENTIFICATION OF 237 STYLE CONNECTION BLOCKS



► TAILED VOICE ADAPTOR



Part No:	Description:
NC-51A	51A Designation Strip

- > Plugs into an RJ45 socket converting it into a voice outlet for attachment of a telephone or fax
- > Comes with a 10cm fly lead (other lengths available)
- > Available in PSTN master, PABX master, or secondary versions

Part No:	Description:
NC-VA-MASTER	Full Master Tailed Voice Adaptor
NC-VA-SECONDARY	Secondary Tailed Voice Adaptor
NC-VA-PABX	PABX Master Tailed Voice Adaptor

LINE JACK UNIT



Material:

► ABS high-impact UL94V-0 (thermoplastic)

Technical Data:

- ➤ Operating temperature range: -10°C to 60°C
- ► Storage temperature range: -40°C to 68°C
- ► Humidity: 10% 90% RH

Part No:	Description:
NC-LJU-2/1A	PSTN Surface Mount Line Jack Unit (Includes Back Box)
NC-LJU-2/2A	PABX Surface Mount Line Jack Unit (Includes Back Box)
NC-LJU-2/3A	Secondary Surface Mount Line Jack Unit (Includes Back Box)
NC-LJU-3/1A	PSTN Single Flush Mount Line Jack Unit
NC-LJU-3/2A	PABX Single Flush Mount Line Jack Unit
NC-LJU-3/3A	Secondary Single Flush Mount Line Jack Unit
NC-LJU-4/1A	PSTN Double Flush Mount Line Jack Unit
NC-LJU-4/2A	PABX Double Flush Mount Line Jack Unit



► 20 PAIR VOICE CABLE CONNECTION BOX



- > Accepts two 237a style connection blocks
- > Available in internal and external

Part No:	Description:	
NC-CB-201A	20 Pair Internal Connection Box	
NC-CB-201D	20 Pair Internal Connection Box loaded with two 237a Connection Blocks	

► 50 PAIR VOICE CABLE CONNECTION BOX



- > Accepts up to five 237a style connection blocks
- > Available in internal and external

Part No:	Description:	
NC-CB-251A	50 Pair Internal Connection Box	
NC-CB-251A-EX	50 Pair External Connection Box	
NC-CB-251D	50 Pair Internal Connection Box loaded with Five 237a Connection Blocks	
NC-CB-251D-EX	50 Pair External Connection Box loaded with Five 237a Connection Blocks	

► 100 PAIR VOICE CABLE CONNECTION BOX



- > Accepts up to ten 237a style connection blocks
- > Available in internal and external

Part No:	Description:	
NC-CB-301A	100 Pair Internal Connection Box	
NC-CB-301A-EX	100 Pair External Connection Box	
NC-CB-301D	100 Pair Internal Connection Box loaded with Ten 237a Connection Blocks	
NC-CB-301D-EX	100 Pair External Connection box loaded with Ten 237a Connection Blocks	

COPPER ENCLOSURES

NetworksCentre.

► POD BOXES

POD boxes are made of premium quality 1.5mm steel. POD boxes are for use beneath floors or can be attached to desks. All POD boxes are finished with a black powder coating and come complete with cable tie fixing points and keyhole slots.

Part No:	Description:
NC-POD2	2 Way Pod Box with 20mm Entry
NC-POD4	4 Way Pod Box with 25mm Entry
NC-POD6	6 Way Pod Box with 32mm Entry
NC-POD8	8 Way Pod Box with 2 x 25mm Entry
NC-POD4-SE	4 Way Side Entry Pod Box with 25mm Entry
NC-POD6-SE	6 Way Side Entry Pod Box with 25mm Entry



4 WAY LJ6C POD BOX



8 WAY LJ6C POD BOX



6 WAY SIDE ENTRY LJ6C POD BOX

6 WAY LJ6C POD BOX



2 WAY LJ6C POD

BOX

4 WAY SIDE ENTRY LJ6C POD BOX

► POD BOX KITS

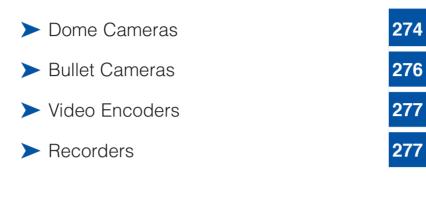
> POD Box kits are made up of the following:

- 1 x POD box
- 1 x Flex assembly with glands and nuts fitted each end
- 1 x Fixing bracket
- 1 x Conduit Pre-cut to required length

Part No:	Description:
NC-POD02-KIT	2 Way Pod Box Kit with 20mm Entry
NC-POD04-KIT	4 Way Pod Box Kit with 25mm Entry
NC-POD06-KIT	6 Way Pod Box Kit with 32mm Entry
NC-POD02-ASSY	2 Way Pod Box Assembly 20mm Entry
NC-POD04-ASSY	4 Way Pod Box Assembly 25mm Entry
NC-POD06-ASSY	6 Way Pod Box Assembly 32mm Entry



SECURITY







DOME CAMERAS



Lilin are one of the world's leading providers of IP Video Solutions. They were the first company to introduce ONVIF Cameras and other conformant products. With the security market having migrated from analogue to IP, it's important to partner with a brand that offers support from project conception to completion. LILIN has over 35 years' experience and is dedicated to manufacturing IP solutions that are easy to install and operate. Networks Centre has a specialist IP team ready to assist and provide you with competent technical support either over the phone or onsite and supply a complete end-to-end package.

▶ L SERIES 1080P HD DOME IP CAMERAS

L Series LI-LD2122E4 & LI-LD2122E6

- ► Full HD 2 megapixel CMOS image sensor
- ► True H.264 AVC/MPEG-4 part 10
- ► H.264 and Motion JPEG triple video streaming
- ► 3D noise reduction (MCTF)
- ► 2D WDR function
- > Digital zoom supported
- ► Motion detection alarm function
- > 3-Axis camera construction
- > Screw-on design dome cover for easy and secure installation
- > Day & Night (IR cut removable)
- ► IEEE 802.3af PoE
- ONVIF supported

Part No:	Description:	
LI-LD2122E4	MERIT LILIN 1080P Internal IP L Series Camera 4mm Fixed Lens	
LI-LD2122E6	MERIT LILIN 1080P Internal IP L Series Camera 6mm Fixed Lens	



MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.

Z SERIES DAY & NIGHT 1080P HD AUTOFOCUS DOME IR IP CAMERA

Z Series LI-ZR2322X

- > Full HD 2 megapixel CMOS image sensor
- ► True H.264 AVC/MPEG-4 part 10 real-time video compression
- ► H.264 and Motion JPEG multi-profile video streaming
- > Auto focus with zoom / focus motorized lens
- ► 3D noise reduction (MCTF)
- > 2D WDR function
- Digital PTZ supported
- > Face / Tampering / Audio / Motion detection alarm function
- > Ceiling mount and Embedded mount for Internal installation
- ► IEEE 802.3af PoE
- ► High efficiency IR LED, radiant distance up to 25m
- > Day & Night (IR cut removable)
- > 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF supported



MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.

Part No:	Description:
LI-ZR6122X	MERIT LILIN HD Autofocus Day & Night IR (25m) IP Camera. Digital PTZ support, Motion detection, 2 way audio support, Internal Ceiling/ Embedded mount, PoE, 2.8mm/12mm Lens/ Focal length, 1/2.8" CMOS Sensor



OLILIN NetworksCentre.

► L SERIES DAY & NIGHT 1080P HD VANDAL RESISTANT DOME IR IP CAMERA

L Series LI-LR6022EX3.6

- ► Full HD 2 megapixel CMOS image sensor
- ► True H.264 AVC/MPEG-4 part 10
- ► H.264 and Motion JPEG triple video streaming
- ► 3D noise reduction (MCTF)
- > 2D WDR function
- Digital zoom supported
- Motion detection alarm function
- ► High efficiency IR LED, radiant distance up to 25m
- Innovatory external adjustment with waterproof for zoom and focus of Vari-Focal lens
- > Day & Night (IR cut removable)
- ► IEEE 802.3af PoE
- ► ONVIF supported
- ► Vandal Resistant & IP67 rated



Part No: LI-LR6022EX3.6

Description:

MERIT LILIN Day & Night 1080P HD Vandal Resistant Dome IR IP Camera - 3.3-12MM Adjustable lens

MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.

Z SERIES DAY/NIGHT FULL HD AUTOFOCUS VANDAL RESISTANT DOME IR IP CAMERA

Z Series LI-ZD6122EX3

- ► Full HD 2 megapixel CMOS image sensor
- ► True H.264 AVC/MPEG-4 part 10 real-time video compression
- ► H.264 and Motion JPEG multi-profile video streaming
- > Auto focus with zoom / focus motorized lens
- ► 3D noise reduction (MCTF)
- > 2D WDR function
- Digital PTZ supported
- > Face / Tampering / Audio / Motion detection alarm function
- Day & Night (IR cut removable)
- > 2-way audio supported
- ► Digital I/O : 1 in, 1 out
- ► ONVIF supported
- > Vandal Resistant & IP67 rated

Part No:

()01403 754 233

Description:

MERIT LILIN 1080P HD Autofocus Day & Night IR (25m) IP Camera. Digital PTZ support, Motion detection, 2 way audio support, External IP67 Vandal Resistant, PoE, 2.8mm/12mm Lens/Focal length, 1/2.8" CMOS Sensor



MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.

SECURITY > Dome Cameras External

BULLET CAMERAS

OLILIN NetworksCentre.

► L SERIES DAY & NIGHT 1080P HD VARIFOCAL IR IP BULLET CAMERA

L Series LI-LR7224EX3.6

- ► Full HD 2 megapixel CMOS image sensor
- ► True H.264 AVC/MPEG-4 part 10
- ► H.264 and Motion JPEG triple video streaming
- ► 3D noise reduction (MCTF)
- ► 2D WDR function
- Digital zoom supported
- > Audio / Motion detection alarm function
- Cable managed housing and bracket
- ► High efficiency IR LED, radiant distance up to 55m
- ► Day & Night (IR cut removable)
- ► 2-way audio supported
- ► Digital I/O : 1 in, 1 out
- ► ONVIF supported



Description:

LI-LR7224EX3.6

Part No:

MERIT LILIN Day & Night 1080P HD Vari-Focal IR IP Bullet Camera MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.

Z SERIES DAY & NIGHT 1080P HD 10X OR 20X AUTOFOCUS IR IP BULLET CAMERA

Z Series LI-ZR8022EX20

- ► Full HD 2 megapixel CMOS image sensor
- ► True H.264 AVC/MPEG-4 part 10 real-time Video compression
- ► H.264 and Motion JPEG multi-profile Video streaming
- ► 3D Noise Reduction (MCTF)
- > 2D WDR function

LI-ZR8022EX20

Part No:

- ► Digital PTZ supported
- ► Intelligent Video Surveillance
- Cable managed housing and bracket

Description:

MERIT LILIN 1080P HD Autofocus Day & Night IR (60m) IP Camera. Digital PTZ support, Motion detection, 2 way audio support, External IP66, PoE, 4.7mm/94mm Lens/Focal length, 1/2.8" CMOS Sensor

- ► High efficiency IR LED, Radiant distance up to 60M
- Beam spread of IR LED: Automatically adjusted, depending on the zoom ratio
- > Day & Night (IR cut removable)
- ► 2-way audio supported
- ► IEEE 802.3af PoE
- ► Digital I/O: 1 in, 1 out
- ► ONVIF profile supported
- ➤ Waterproof IP66



MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.



OLILIN NetworksCentre.

Z SERIES 2MP 60FPS AUTOFOCUS IR IP BULLET CAMERA

Z Series LI-ZSR8122X

- ► 60fps @ 1080P resolution
- ► Micro SD/SDHC/SDXC card recording supported
- HDR function up to 120dB
- ▶ IP66 rain and dust resistant
- > 35-meter infrared night vision

Part No: LI-ZSR8122X

Description:

MERIT LILIN 2MP 60fps@1080p, Autofocus, IR (35m) IP Camera, PoE, 2.8mm/12mm Lens/Focal length, 1/2.8" CMOS Sensor

VIDEO ENCODERS



For existing analogue style cameras LILIN have their encoder and decoder which enable connection of existing analogue cameras to a network NVR. Existing analogue cameras can be viewed and controlled on PC's using this simple plug and play equipment.

MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -

PLEASE CALL FOR MORE INFORMATION.

MULTIPLE VARIATIONS & SPECIFICATIONS AVAILABLE -PLEASE CALL FOR MORE INFORMATION.

RECORDERS

CMX NETWORK VIDEO RECORDER TOWERS



Part No:	Descriptio∩:
LI-CMX-4	4 Channel IP camera recording system with Emap and DVR monitoring in PC Shuttle 1TB Storage
LI-CMX-16	16 Channel IP camera recording System with Emap and DVR monitoring in PC Tower Case
LI-CMX-36	36 Channel IP camera recording System with Emap and DVR monitoring in PC Tower Case

Features:

- ► Central management system.
- > Manage remote IP cameras and DVR devices.
- ► Record and manage 36 channels.
- ➤ Full HD recording for LILIN H.264 IP cameras.
- ► Scheduled recording.
- ► E-Map alarm or motion notification.
- > Remote device status monitoring.
- ► Remote device manager.
- > Device grouping and recall.
- ► PTZ controls for IP Fast Domes.
- > Easy to use calendar for video playback.
- ► Complete operational event logs.
- ► Configurable user access levels.
- > Reduces installation and maintenance costs.

@enquiries@networkscentre.com

▶ 1080P REAL-TIME MULTI-TOUCH 16 CHANNEL STANDALONE NVR



MULTIPLE VARIATIONS AND SPECIFICATIONS AVAILABLE PLEASE CALL FOR MORE INFORMATION.

NVR Touch Series

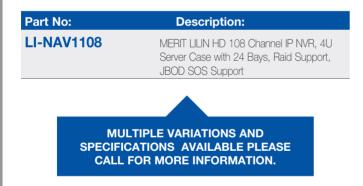
LILIN's touch series offers a touch-screen interface which allows you to take advantage of highly intuitive smartphone-style features like "pinch-n-zoom", multi-touch and scrolling, and icon based menus, deliberately avoiding traditional PC-style screens. The touch-screen increases operator speed and minimises the time taken to learn the system. The NVR's are equipped with an automated installation wizard (WS Discovery) which locates all the cameras on the network and imports a preview picture of each channel to help with identification. This greatly speeds up commissioning. They support USB network back up and HDMI outputs. Hard drive capability up to 48TB's with RAID available on specific models. Web based remote viewing is available, along with smart phone viewing with Android, iPhone and Blackberry compatibility.

Several options are available, NVR104, 109 and 116, along with NVR1400 and 2400 for full 60fps network camera support.

Part No:	Description:
LI-NVR-116D-18TB	MERIT LILIN 1080P Real-Time Multi- Touch 16 Channel Standalone NVR with 18TB Hard Drive

► GVD NETWORK VIDEO RECORDER RACK MOUNT

LILIN Nav recorder series supports up to 108 channels including all LILIN IP cameras, PTZ Domes and DVR/NVR's. Features include network streaming, recording, and display, with built-in dual port Gigabit Ethernet, and dual monitors support. They also support multi-channel playback for remote or local viewing. With hot swappable HDD's and RAID storage available a wide variety of recording settings are available.





► 1080P REAL-TIME MULTI-TOUCH 4 CHANNEL STANDALONE NVR

NVR L Series

LILIN L Series standalone NVR is a plug and play cost effective surveillance system. Ideal for SOHO and SMB users to record and navigate their IP based cameras. The NVRs are able to support up to 16 cameras at high definition resolution in real time as well as other configurations. The user interface is intuitive with all the features that end users need for daily video surveillance operations – video recording, playback / live view of recorded video. Full LILIN NAV software support, Web based remote viewing, iOS, and Android support. With LILIN's unique IPScan technology, you can locate all the cameras on the network and import a preview picture of each channel to help with identification, which greatly speeds up commissioning. Configurable hard drive capacity up to 24TB's.

	Part No:	Description:
(OLILIN)	LI-NVR-400L-2TB	MERIT LILIN 1080P Real-Time Multi- Touch 4 Channel Standalone NVR with 2TB Hard Drive
	LI-NVR-400L-16TB	MERIT LILIN 1080P Real-Time Multi- Touch 9 Channel Standalone NVR with a 16TB Hard Drive

ACTIVE EQUIPMENT









MEDIA CONVERTERS

NetworksCentre.

MEDIA CONVERTERS



MC-SC



MC-ST

- ► Extend 10Base-T, 100Base-TX and 1000Base-T Ethernet LAN signals from S/UTP Cat3/5/5e/6 structured wiring over multimode or singlemode optical fibres using the 1000Base-FX Ethernet standard
- ► Simple and easy to install
- > Meets all the relevant industry standards for 1000Mbit/s Ethernet
- ► Available in SC, ST, FC and LC configuration
- > Standalone converters can be 19" rack mounted in an AC powered enclosure
- > Available in multimode and singlemode fibre formats and singlemode WDM single fibre
- > LED indicators for monitoring and diagnostics

Part No:	Description:
MC-SC-10/100-MM	10-100 Multimode Media Converter with SC adaptor
MC-SC-10/100-SM	10-100 Singlemode Media Converter with SC adaptor
MC-SC-10/100/1000-MM	10-100-100 Multimode Media Converter with SC adaptor
MC-SC-10/100/1000-SM	10-100-1000 Singlemode Media Converter with SC adaptor
MC-ST-10/100-SM	10-100 Singlemode Media Converter with ST adaptor
MC-ST-10/100-MM	10-100 Multimode Media Converter with ST adaptor

► STAND ALONE 19" RACK MOUNT CHASSIS



- ▶ Extend 10Base-T and 100Base-TX Ethernet LAN signals from S/UTP Cat3/5/5e structured wiring over multimode and singlemode optical fibres using the 100Base-FX Ethernet standard
- Simple and easy to install
- > 2U 19" rack mounted supports up to 16 slots for card type (10/100Mbit/s and Gigabit Ethernet) media converters
- > 2U 19"stand alone unit supports up to 14 slots for card type (10/100Mbit/s and Gigabit Ethernet) media converters

Part No:	Description:
MC-OP-EF14-D110/D220	14slot, 2U 19", Dual Power Supply, AC110V/220V
MC-OP-EF14-D48	14slot, 2U 19", Dual Power Supply, DC48V
MC-OP-EF14-S110/S220	14slot, 2U 19", Dual Power Supply, AC110V/220V
MC-OP-EF14-S48	14slot, 2U 19", Single Pow- er Supply, DC48V
MC-OP-EF16-D110/D220	16slot, 2U 19", Dual Power Supply, AC110V/220V
MC-OP-EF16-D48	16slot, 2U 19", Dual Power Supply, DC48V+AC220V
MC-OP-EF16-S110/S220	16slot, 2U 19", Single Power Supply, AC110V/220V
MC-OP-EF16-S48	16slot, 2U 19", Single Pow- er Supply, DC48V

- > Suited to enterprise environments
- > Dual Power supply available providing hot-swappable capability & redundancy
- ► Hot swappable converters
- ► Available in AC110V/220V or DC48V versions
- > Dimensions: 490mmx x230mmx x90mm (rack mounting)
- ▶ Power: 95W Output DC5V 16A

D-LINK SWITCHES



D-Link offers a comprehensive suite of business class switches that provide the foundation for a full range of high-value network solutions. D-Link Business switches fall into one of three categories. Unmanaged switch, smart switch & fully managed switch

Unmanaged Switches

Just plug it in and turn it on. With an unmanaged switch, there is no configuration necessary. Unmanaged Switches are cost effective and ideal for smaller networking needs. When all you need is a simple device that reliably forwards Ethernet frames, choose a D-Link Unmanaged Switch.

Smart Switches

Typically managed using a browser-based Graphical User Interface (GUI), Smart Switches are attractively priced and support an essential set of Layer 2/2+ switching functions including VLAN, Link Aggregation, QoS, Bandwidth Limiting, Access Control Lists, and more. D-Link offers six families of Smart Switches to meet the networking needs of businesses of all sizes. Choose a D-Link Smart Switch when you want to control who's on the network and make sure they're getting the best performance possible.

Fully Managed Switches

Typically managed either using either a Command Line Interface (CLI) or Graphical User Interface (GUI), Fully Managed Switches support a complex suite of Layer 2, Layer 2+ and Layer 3 switching functions. D-Link Managed Switches are easy to set up, configure and monitor. They can be managed individually, or in the case of D-Link Stackable Managed switches, as part of a stack. Choose a D-Link Fully Managed Switch when network performance and security are critical, and compromise is not an option.

► FAST ETHERNET SMART SWITCHES WITH FIBRE UPLINKS



Part No:	Description:
DES-1210-28	24 Port 10/100 24 Port + 4 Gigabit Combo/ SFP
DES-1210-52	48 Port 10/100 Smart Switch + 2 Combo 1000 Base T/SFP + Combo/SFP
DES-1210-28P	24 Port 10/100 24 port + 4 Gigabit Combo/ SFP- PoE
DES-1210-08P	8 Port 10/100 Smart PoE Switch

The DES-1210 Series is the latest generation of Smart Switches. Equipped with 8, 24 or 48 Fast Ethernet ports with Gigabit/combo port options, this series offers all the features needed in a small and medium business, without the complexity or cost involved. The built-in web interface and PC based SmartConsole Utility make these switches easy to deploy, configure and troubleshoot.

These switches are ideal for converged networks, where IP telephony/ VoIP, IP surveillance systems and traditional data traffic are integrated in the data flow.

Equipped with a complete line-up of features, these switches include quality of service, port trunking, spanning tree and IGMP snooping. Network monitoring and maintenance features include port mirroring, loopback detection and the innovative cable diagnostics. With cable diagnostics, the switch will flag a faulty Ethernet cable connected to any of its ports, detailing the type of error detected.

The PoE option is available on the 8 and 24 port members of the family.





► GIGABIT SMART SWITCHES WITH FIBRE UPLINKS

The DGS-1210-10/10P/20/28 features a fanless design that allows for quieter operation and helps to extend the device's lifetime.

While the DGS-1210-28P/52/52P feature a smart fan design that powers on after the switch reaches a certain temperature, saving energy and cutting costs without sacrificing performance.

The DGS-1210 Series includes a range of high power budget PoE-enabled switches for businesses looking to power VoIP phones, wireless access points or network cameras.

Incorporating D-Link Green technology, the DGS-1210 Series switches

are capable of power-saving without sacrificing operational performance or functionality. Taking the approach to green IT one step further this series incorporates a special chipset with advanced silicon technology for efficient use of energy.

Part No:	Description:
DGS-1210-08P	8 Port 10/100/1000 Switch Including 2 Combo 1000 Base T/SFP
DGS-1210-10P	10 Port 10/100/1000 PoE Switch Including 2 Combo 1000 Base T/SFP
DGS-1210-24	24 Port 10/100/1000 Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-24P	24 Port 10/100/1000 Base-T PoE Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-28	28 Port 10/100/1000 Base-T Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-28P	28 Port 10/100/1000 Base-T PoE Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-48	48 Port 10/100/1000 Base-T Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-48P	48 Port 10/100/1000 Base-T PoE Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-52	52 Port 10/100/1000 Base-T Switch Including 4 Combo 1000 Base T/SFP
DGS-1210-52P	52 Port 10/100/1000 Base-T PoE Switch Including 4 Combo 1000 Base SFP

► SM & MM LC GIGABIT SFP TRANCEIVERS

D-Link's new line of Gigabit Interface Convertors (GBICs) and Small Form-Factor Pluggable (SFPs) transceivers represent an industry leading combination of performance and affordability. D-Link's new Gigabit transceivers are available in two form-factors: standard (GBIC) or (SFP)/mini-GBIC.



The DEM-310GT is a high performance 1310nm multimode/singlemode SFP (mini-GBIC) transceiver. Supporting full duplex, Gigabit speeds on multimode/singlemode fibre for distances of up to 550m/550m/10km on 62.5µm/50µm/9µm respectively. The unit features a metal housing to reduce EMI and to increase durability. The DEM-310GT is hot pluggable and is backed by a standard 3-year product warranty and free technical support.

Part No:	Description:
DEM-310GT	1000 Base-LX SFP up to 10 Km

The DEM-311GT is a high performance 850nm multimode SFP/mini-GBIC transceiver. Supporting full duplex, Gigabit speeds on multimode fibre for distances of up to 220m/550m on 62.5µm/50µm fibre respectively. The unit features a metal housing to reduce EMI and to increase durability. The DEM-311GT is hot pluggable and is backed by a standard 3-year product warranty and free technical support.

Description:
1000 Base-SX SFP up to 550 Metres

D-LINK WIRELESS



Our range of Business and Campus Wireless Access Points include simultaneous dual band wireless AC and N standard, Backwards compatible with all Wi-Fi technologies, being able to be deployed in any location; wall, ceiling or desktop, indoors or outside. With Stand Alone or Centrally Managed options, all Access Points (APs) have advanced security features to keep your business protected and safe from intrusion. Call Networks Centre to discuss your system requirements.

► INDOOR WIRELESS ACCESS POINTS



	Part No:	Description:
	DWL-6610AP	11AC Unified Concurrent Dual Band;
		866Mbps (ac) / 300Mbps (n); Ceiling, Wall
		or Desk mounting; Plenum rated; Standalone
		or Controller managed; Plastic construction
_		



Part No:	Description:
DWL-6600AP	11N Unified Concurrent Dual Band; 300Mbps per radio; Ceiling,Wall or Desk mounting; Standalone or Controller managed; Plastic construction



Part No:	Description:
DAP-2695	11AC AirPremier Concurrent Dual Band;
	1750Mbps; Wall or Desk mounting; Plenum
	rated; Standalone or Controller managed
	(CWM-100 Compatible); Metal construction



Part No:	Desci
DWL-8610AP	11AC
	1300N
	Desk r
	Contro

Description: 11AC Unified Concurrent Dual Band; 1300Mbps(ac)/450Mbps (n); Ceiling Wall or Desk mounting; Plenum rated; Standalone or Controller-managed; Half Metal / Half Plastic construction



D-Littk[®] NetworksCentre.

► OUTDOOR WIRELESS ACCESS POINTS



Part No:	Description:
DWL-8710AP	11AC Unified Concurrent Dual Band, 867Mbp: (ac) / 300Mbps (n), Standalone operation or Controller-managed, Wall or Pole mounting; IP6 rated; Metal/Plastic construction



Part No:	Description:
DAP-3662	11AC Concurrent Dual Band; 300Mbps (ac)/ 867Mbps (n); Stand Alone, CWM-100 Compatible, Pole or wall mounting, IP67 rated; Plastic construction



Part No:	Description:
DWL-6700AP	11N Unified Concurrent Dual Band; 300Mbps; Standalone or Controller-managed operation; Pole or wall mounting; IP55 rated; Plastic construction



INDUSTRIAL ETHERNET SWITCHES



NetworksCentre.

► INDUSTRIAL ETHERNET SWITCHES



Particularly suited to harsh environments the KBC range of managed and unmanaged switches are available for up to 1 Gigabit applications. Suitable for copper, multimode and singlemode fibre they are also available with POE capability. All products feature plug and play design and come with various mounting options including DIN rail. Typical temperature range of -40°C to + 75°C with a meantime between failure of >100,000 hours

- Unmanaged switches with dual redundant power inputs and redundant ring capability
- Managed switches up to 24ports, 720w POE budgets and 4 fibre SFP ports

Part Number:	Description:
K-ESULS4-EL1-P1	Unmanaged Industrial Ethernet Switch with 6 ports: 4 PoE+ ports, 1 RJ45 & 1 optical uplink ports
K-ESUGS4-EG2-P2	Unmanaged Industrial Ethernet Switch with 8 ports: 4 PoE ports, 2 RJ45 & 2 optical (SFP) uplink ports
K-ESMGH4-P4	Managed Industrial Ethernet Switch with 8 ports: 4 PoE+ ports & 4 optical (SFP) uplink ports
K-ESULS8-EG1-P1	Unmanaged Industrial Ethernet Switch with 10 ports: 8 PoE+ ports, 1 RJ45 & 1 optical (SFP) uplink ports
K-ESMGH8-P4	Managed Industrial Ethernet Switch with 12 ports: 8 PoE+ ports & 4 optical (SFP) uplink ports
K-ESMGS16-P2	Managed Industrial Ethernet Switch with 18 ports: 16 PoE+ & 2 optical (SFP) uplink ports
K-ESMGS24-P4	Managed Industrial Ethernet Switch with 28 ports: 24 PoE+ & 4 optical (SFP) uplink ports

MEDIA CONVERTERS

► INDUSTRIAL MEDIA CONVERTORS



The KBC MCG1 series is a fully ruggedized 10/100/1000 Ethernet media converter. It supports transmission of an Ethernet channel over either one or two, multimode or singlemode optical fibres. Full duplex operation enables distances in excess of 30km on singlemode fibre. The plug-and-play design ensures ease of installation with no electrical or optical adjustment needed. LED indicators are provided to show the operational status of the unit clearly. The series is available in Compact, DIN rail or 3U chassis card configurations.

- ► IEEE802.3ab compliant
- 10/100/1000 auto-sensing
- MDI/MDIX
- Single and dual fibre Up to 30km on singlemode fibre (50km extended), 2km on multimode (4km extended).
- ► Wide operational temperature range -40C to +75C

Part No:	Description:
K-FTL1	10/100 Ethernet Media Converter
K- FTLS1	10/100 Ethernet Media Converter with PoE
K-MCG1	10/100/1000 Ethernet Media Converter
K-MCG1-P	10/100/1000 Ethernet Media Converter with SFP Port
K- MCGS1	10/100/1000 Ethernet Media Converter with PoE+
K-MCCL1	10/100 Commercial Ethernet Media Converter
K-MCCG1	10/100/1000 Commercial Ethernet Media Converter
K-MCL2-P1B	Industrial Ethernet Media Converter with 2 Ethernet Ports and 1 SFP Port







► INDUSTRIAL GIGABIT SFP MODULES

The SFP module range provides true flexibility to the KBC range of SFP-based industrial Ethernet switches. Modules are available for twisted pair and both multimode and singlemode optical fibre.

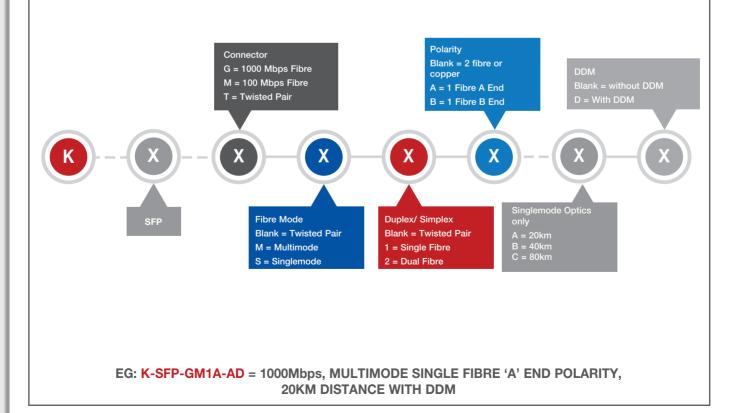
► Standards:

IEEE Standard 1000BASE-T, 1000BASE-SX, 1000BASE-LX, 1000BASE-XD, 1000BASE-ZX 100BASE-FX

- Environmental:
 Operating Temperature -40°C +74°C / -40°C +165°F
 Storage Temperature -40°C +85°C / -40°C +185°F
 Operating Humidity 0 to 95% non-condensing
- Connectors
 10/100/1000 Electrical
 100 Optical
 1000 Optical



HOW TO CREATE OUR KBC SFP MODULE PART NUMBERS



286

TRANSMITTERS & RECIEVERS



NetworksCentre.

> EXTENDED ETHERNET 200 SERIES



The KBC Extended Ethernet 200 Series is a 10/100 Ethernet line driver with IEEE802.3af /at compliant PoE. The unit provides excellent repeatable performance for today's CCTV systems. The EE2CL line driver provides connectivity for one 10/100Mbps Ethernet channel over a 750hm coaxial or a 2-wire cable interface allowing new IP technology to pass over existing, legacy cable.

The 200 Series is available as individual units and accessories or as a range of kits for 1:1, 1:2, 1:3 and 1:4 connections over coax, twisted pair or 2-wire cable. The kits include EE2CL line drivers, adapters (where necessary), splitters and power supplies. The series is available in a compact wall-mount format that fits inside most camera housings or a 19" rack unit.

- ► IEEE802.3af/at compliant
- Transmission distances up to 1.5km
- ▶ High data rates up to 4 megapixel cameras
- High density rack system
- LED indicators
- Available as a series of transmission kits for 1,2,3 & 4 connections

No. of Cmeras	Co-ax Kit	Twisted Pair Kit	Kit Contents
1	K-EE2CL-1KT	K-EE2CL-1KT-TW	2 x EE2CL Units, BNC to 2-wire adapters if necessary & 1 x 48Vdc, 1.25A power supply
2	K-EE2CL-2KT	K-EE2CL-2KT-TW	3 x EE2CL Units, BNC to 2-wire adapters if necessary, 1 x BNC T Splitter & 1 x 48Vdc, 1.25A power supply
3	K-EE2CL-3KT	K-EE2CL-3KT-TW	4 x EE2CL Units, BNC to 2-wire adapters if necessary, 1 x 1:4 BNC Splitter & 1 x 48Vdc, 1.25A power supply
4	K-EE2CL-4KT	K-EE2CL-4KT-TW	5 x EE2CL Units, BNC to 2-wire adapters if necessary, 1 x 1:4 BNC Splitter & 1 x 48Vdc, 1.25A power supply

KBC Extended Ethernet 200 Series Kit Part Numbers:

Individual Part Numbers:

Part No:	Description:
K-EE2CL-1	Extended Ethernet, Ethernet over coax line driver with PoE
K-EE2CL-1-TW	Extended Ethernet, Ethernet over UTP line driver with PoE
K-GS60A-48-P1J	48V, 1.25A PoE power supply
K-EE-BNC2	1:2 BNC T splitter
K-EE-BNC4	1:4 BNC splitter
K-EE-TW	BNC to 2-wire adaptor
K-EE-2CL-RK	19" High density rack
K-MCL2-P1B	Industrial Ethernet Media Converter with 2 Ethernet ports and 1 SFP port



NetworksCentre.



Point-to-point & point-to-multipoint wireless

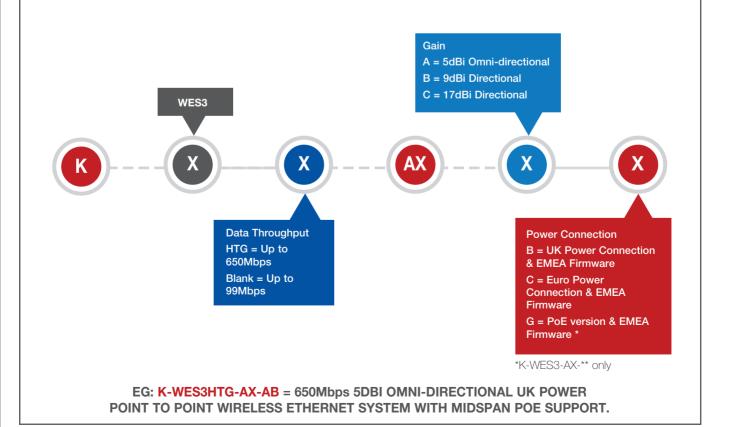
The WES3 Wireless Ethernet System is a wireless transmission system that operates in the license-free, 5GHz band, providing a cableless transmission path for an Ethernet channel. The WES3 firmware is configurable for product type, enabling one commonunit to be configured as a client, a single-point host or a multipoint host. The system is IEEE802.11a/n compliant and will support up to 99Mbps (650Mbps HTG version) throughput due to MIMO technology (Multiple In Multiple Out). WES3 provides connectivity for a wide range of Ethernet devices such as megapixel/HD cameras, DVRs, encoders/decoders and web servers and uses a secure encryption method to prevent unauthorized access to the system. WES3 is available as a IEEE802.3af compliant unit or non-PoE version with a power injection module for applications where PoE is not available. All WES3 units ship with a universal wall/pole mount

- > Configurable for client / singlepoint host / multipoint host
- IEEE802.11a/n compliant (K-WES3)
- ▶ IEEE802.11ac compliant (K-WES3HTG)
- > Transmission Power Control
- Up to 23dBm (30dBm) output power
- Secure transmission: WPA2 AES or TKIP encryption
- > Antenna alignment & site signal survey tools
- > Distance adjustment for long range transmission

- > Range of antenna options
- Point-to-Point & Point-to-Multipoint
- Wireless Ethernet System PoE / Non PoE
- Passive midspan compliant PoE support
- IP66 protection class



HOW TO CREATE OUR KBC WIRELESS P2P PART NUMBERS





► THRULINK STANDARD & HIGH CAPACITY

- ► Encrypted communication up to 256bit via tunneling
- Throughput: Standard: 15Mbps. Standard Plus: 30Mbps High Capacity: 100Mbps, High Capacity Plus: 200Mbps
- > Optimised for video
- Configurable for 3G/4G networks (Standard/Standard+ only)
- > Supports mesh applications no central server requirement
- Multiple failover

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- > No need to make network changes
- Diagnostic tools: network traffic monitoring,

Encrypted, Hardware VPN Transmission System

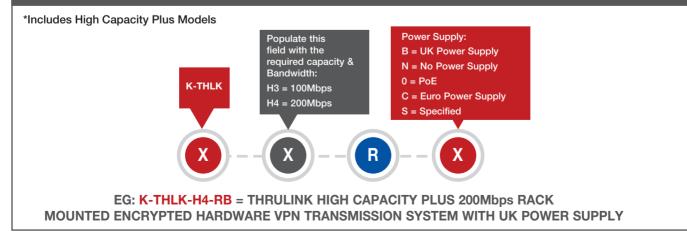
The KBC ThruLink is a hardware VPN device that allows secure communications to be established over any standard, public or private TCP/IP network. ThruLink performs behind firewalls, NAT devices and through almost any other type of network configuration and offers encrypted communication for all IP protocols regardless of the type of traffic. When deployed, ThruLink provides a secure and encrypted tunnel for network communications that will not affect TTL,

- ► Basic traceroute and ping function
- ► IPv4 and IPv6 support
- ► DDNS, DHCP, SNMPv2/3
- > PoE supported on WAN port (PD device)
- Secure encrypted certificate based connection (RSA)
- Limited DHCP service on LAN port (optional)
- > Built to perform in non-conditioned environments

UPnP, VLAN information, broadcast, multicast, or any other traffic. A built-in modem provides 3G/4G connectivity and supports all primary network providers. (Standard & Standard+ Only) In addition to star-based applications, ThruLink supports mesh-based networks allowing direct connection without the need for central server authentication



HOW TO CREATE OUR HIGH CAPACITY THRULINK PART NUMBERS



(@)enquiries@networkscentre.com

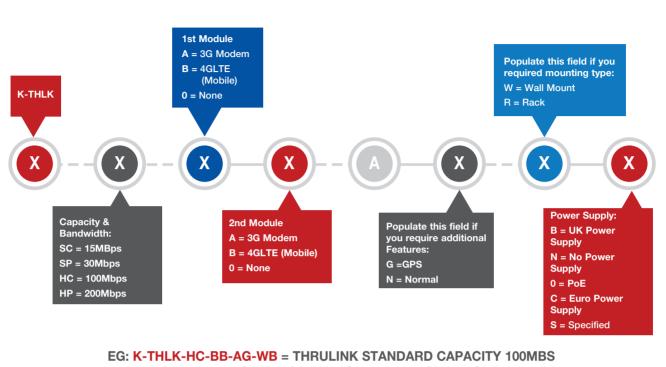




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HOW TO CREATE OUR THRULINK STANDARD CAPACITY PART NUMBERS

*Includes Standard Capacity Plus Models



MODULE 1 - 4GLTE MOBILE, MODULE 2 - 4GLTE MOBILE, GPS ENABLED, WALL MOUNT ENCRYPTED VPN TRANSMISSION SYSTEM WITH UK POWER SUPPLY

► FR3 CHASSIS

The KBC FR3 series chassis is a high quality 3U, 19" rack mounted card cage. It can accommodate up to 14 single slot 3U cards, or a number of various width cards, depending on the number of slots required by each individual product. Any 3U card product can be located in the FR3 chassis, in any location and next to any other model. All modules located within the rack are hot swappable, removing the need to power down the chassis when carrying out maintenance or making additions to the installation. All electrical and optical connections are to the rear, with all LED status indicators to the front.

The dual redundant power supply option uses 2 slots of the chassis for the 2nd power supply leaving 12 slots for card units.

- > Accommodates up to 14 single slot 3U cards
- Any KBC 3U card can be located in any slot & next to any other model
- > All modules hot-swappable
- > All electrical & optical connections to the rear
- > LED status indicators to the front
- All PSUs are modular
- ► Redundant PSU option



Part No:	Description:
K-FR3-BA	19" 14 Slot chassis with single modular PSU and Blanking Panels
K-FR3-BA-RP	19" 14 Slot chassis with dual modular PSU and Blanking Panels



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► ONE CHANNEL VIDEO & "UP THE COAX" DATA



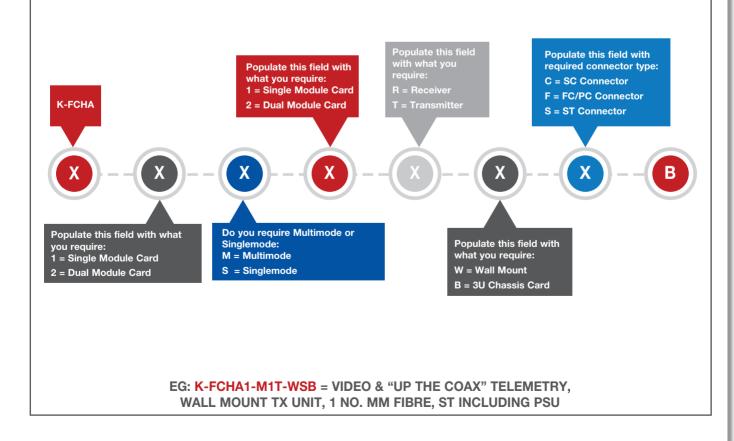
The KBC FCHA1 series uses the most advanced digital technologies to provide excellent repeatable performance for today's CCTV systems. It supports transmission of one video channel, one 'Up the Coax' data channel and two duplex contact closure channels over one multimode or singlemode optical fibre. PAL, NTSC and SECAM video standards are fully supported. The plug-and-play design ensures ease of installation with no electrical or optical adjustment needed. LED indicators are provided to clearly display the operational status of the unit. The series is available in wall-mount and 3U chassis card.

- ▶ Supports RS232, RS422 and RS485 (2W & 4W)
- > Multimode and singlemode solutions
- \blacktriangleright Switchable 120 Ω termination and biasing

> LED indicators provide quick diagnosis of all important system parameters

- ► Up to 14 units in a 3U chassis
- ► Compact and 3U chassis card configuration

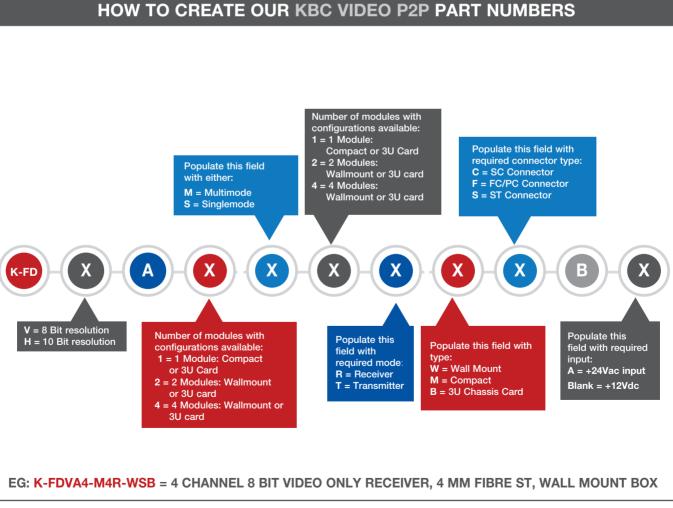
HOW TO CREATE OUR KBC VIDEO & "UTC" DATA PART NUMBERS





► VIDEO POINT TO POINT TRANSMISSION







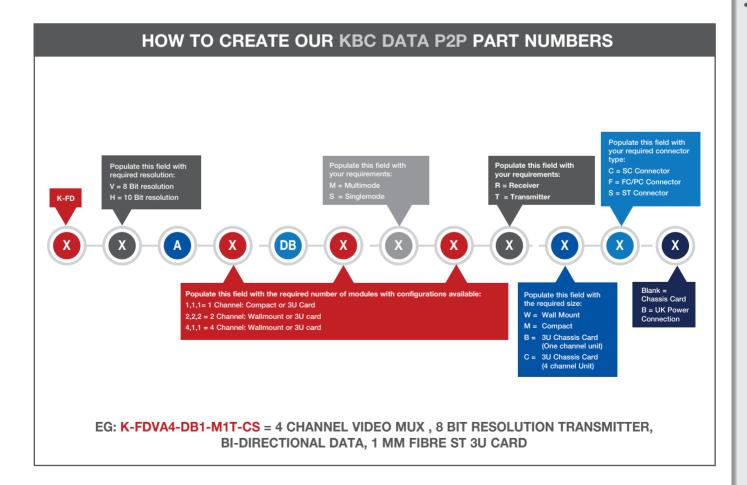
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► VIDEO & BI-DIRECTIONAL DATA SINGLE & FOUR CHANNEL MULTIPLEX TRANSMISSION



The KBC FDVA1-DB1 & FDVA4-DB1 series uses the most advanced digital technologies to provide excellent repeatable performance for today's CCTV systems. It supports transmission of one or four analog composite video channels and one bi-directional data channel over one multimode or singlemode optical fibre. PAL, NTSC and SECAM video standards are fully supported and the data channel supports all standard PTZ (Pan-Tilt-Zoom) control signals. The plug-and-play design ensures ease of installation with no electrical or optical adjustment needed. LED indicators are provided to show the operational status of the unit clearly. The series is available in compact wall mount or 3U chassis card.

- > 8 or 10 bit digitally-encoded, non-compressed video transmission
- > Multimode and singlemode solutions
- ► Card module requires just 1 slot of 3U chassis
- ► Switchable 120 ohm termination and biasing
- > LED indicators provide quick diagnosis of all important system parameters
- ► Wall-mount and 3U chassis card configurations
- > Wide optical dynamic range. No adjustment required





CONNECTING BUSINESS

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Your Approved Cisco Select Partner

Why work with a Cisco Select Partner?

Cisco is the worldwide leader in networking that transforms how people connect, communicate and collaborate.

Cisco Registered Partners have access to world-class Cisco products and service packages, technical support, productivity tools, online training, marketing resources and sales promotions.

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TRAINING







Training & Accreditation

BICSI DESIGN COURSES

As a global professional association, BICSI is the pre-eminent source of information, education and knowledge for IT Professionals. BICSI serves to educate the information communications technology community. Individuals who provide the fundamental infrastructure for telecoms, audio/video, life safety and automation systems.

Features:

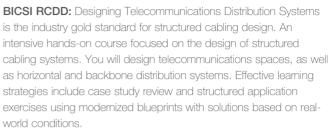
- Internationally recognised accreditation
- BICSI approved trainers
- Real world case studies and floorplans used?

Course:	Duration:	CEC's:
BICSI RCDD	5 Days	37
BICSI DCDC	5 Days	33

BICSI CABLING INSTALLATION PROGRAM

The goal of BICSI's Cabling Installation Program is to produce highly competent cabling installers. This program provides a career path consisting of four progressive courses and credentialing exams, allowing students to begin with basic fundamentals and build upon that knowledge. Upon completion of training, program participants should be ableto conduct site surveys and install, terminate, and test copper and optical fibre cable to the highest level of specification.

Course:	Duration:	CEC's:
BICSI Installer 1 Training	5 Days	35
BICSI Copper Cabling Installer 2	5 Days	35
BICSI Fibre Cabling Installer 2	5 Days	35
BICSI Technician	5 Days	35



BICSI DCDC: Applied Data Center Design and Best Practices course is a five-day course built around the ANSI/BICSI 002-2014 that provides an in-depth review of best practices for designing data centres. Prospective candidates are typically involved in the planning, implementing and making of critical decisions regarding data centres. Data centre IT, facility or project managers; architects; engineers; designers; consultants and those planning to enter careers in the data centre design, construction or maintenance fields will all benefit from this credential.



► CITY & GUILDS COURSES

City & Guilds is a skills development organisation, providing training services to businesses around the world. Our courses are designed to integrate with your career and boost results. The vocational accreditation is valued worldwide.

Highlights:

- Information on current standards
- > Working safely in a data comms environment
- Termination practices
- Interpreting test results and fault finding
- Basic Principles of Communication Cabling

Introducing delegates to bandwidth, performance, transmission distances and installation practices. The course precedes City & Guilds 3667 102/103 & 104.

> 102/103: Fibre Optic Cabling in an Internal & External

Environment Providing delegates with information on fibre termination, loss budget calculations and fault finding.

104: Copper Cabling in an Internal Environment

Offering delegates the framework to deploy copper safely, types of performance categories, termination methods, fault finding and interpreting test results.

Course:	Duration:	CEC's:
City & Guilds 101: Basic Principles of Communication Cabling	1 Days	7
City & Guilds 102/103: Fibre Optic Cabling	5 Days	35
City & Guilds 104: Copper Cabling	3 Days	-

TRAINING > Courses

MANUFACTURER LED COURSES

Networks Centre Training Academy offers a pathway where delegates are introduced to brand related training. Networks Centre Training Academy offers the latest manufacturer-led courses:

Versiv Test Professional

The VersivTM Test Professional Course is a 1 day course designed for network installers who desire to expand their knowledge of certifying copper and fibre infrastructure. This course enables students to gain a wider understanding of test standards and fault finding. Students will take part in hands-on demonstrations of the Fluke Networks DSX-5000 and CertiFiber[®] Pro. Individuals will participate in basic certification through to advance fault finding.

AirMagnet Wi-Fi Analyzer and Spectrum XT

The AirMagnet Wifi Analyzer and Spectrum XT Training Course utilises NETSCOUT's AirMagnet Wifi Analyzer to demonstrate fault finding in wireless infrastructure. The one day course is designed for network engineers and technicians, who are responsible for identifying performance and interference issues.

Course:	Duration:	CEC's:
Versiv Test Professional - Copper	1 Day	-
Versiv Test Professional - Fibre	1 Day	-
Versiv Test Professional - Combined	1 Day	7
AirMagnet Wi-Fi Analyzer & Spectrum XT	1 Day	-
AirMagnet Survey Pro	1 Day	7
Siemon RI Training	1 Day	-

BESPOKE TRAINING COURSES

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AirMagnet Survey Pro ≻

Designed for network engineers and technicians who are responsible for the design and performance of wireless networks. The course would also appeal to technicians tasked with surveying wireless performance and required to understand the demands on wireless networks.

Siemon RI Training

Become a registered Installer with Siemon. Add value for your customers by warrantying systems. Focus on CAT6 & 6A product with practical termination included. On completion, attendees will be able to offer a 15 year Siemon product warrantv.





Our bespoke courses are designed to provide targeted instruction for specific subject areas. Whether you require your team to be taught fibre splicing or need something more bespoke, we can tailor any request into a workable format. Our dedicated Technical Services department are capable of creating workshops to meet your needs.

- Do you require training on-site or at our academy?
- Do you need training which is flexible around you?
- Does your team require specific training?



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