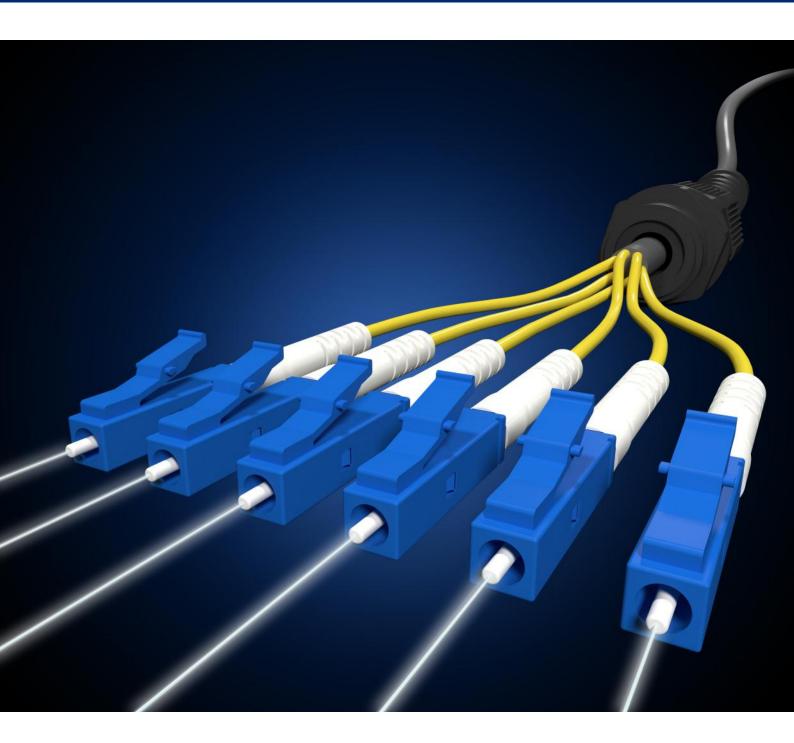


2019 Product Catalogue



www.selectdata.com.au

Welcome

Welcome to Select Data's Product Catalogue 2019.

Select Data's 2019 catalogue sees the continued evolution of our product range to keep pace with the fast paced IT&T industry. Particularly this edition introduces new products to assist you & your customers to provide solutions for the evolving "IoT" (Internet of Things), by incorporating more industrial and ruggedized products to our range.

We have also been working hard with our suppliers, in recent months, to increase the speed of our delivery to you, so you should notice a faster turn-around, in particular in custom lead / pre-terms as these systems come into place.

Select Data has a long history of sourcing, facilitating supply for projects, so if you are looking for something that is not in our catalogue or you are looking for a project volume, please contact us to work with you for these requirements.

Lastly, we would like to thank you for your ongoing support.

Robert Dean

Managing Director



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BSB 084 273
Acc 82611 2447



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VGA DVI



Optical Fibre Patch Cords

Connectors:

LC, SC, ST, MTRJ, FC, SC/APC, LC/APC

Cable Types:

- OM1, OM3, OM4, OS1, OS2
- Standard lengths are 1,2,3,5,10,15,20 Metres,
- Custom lengths on request

Features

- Available for single-mode and multimode
- Available in a variety of colours
- Available in 3mm, 2mm, 1.8mm or 900μm cable
- Available in standard and custom configurations
- Available in Duplex, Simplex or Pigtail
- Low back reflection and insertion loss
- PVC or LSZH cable available
- Ceramic ferrule

Fibre Types and Polishes

- 50/125μm and 62.5/125μm for multimode, PC polish
- 9/125μm for single-mode, UPC and APC polish

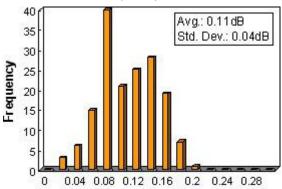
Typical/Maximum Insertion Loss

- $\leq 0.15 / 20.30$ dB for UPC single-mode
- $\leq 0.15 / 2 0.30 \, dB$ for APC single-mode
- ≤ 0.20 / ② 0.30 dB for PC multimode

Maximum Return Loss

- ≥ 50 dB for UPC single-mode fibre
- ≥ 60 dB for APC single-mode fibre

Insertion Loss, SM 9/125um PC



Insertion loss (dB)



Cable Standards:

SM:

- ♦ ITU-T G.652 (Categories A,B,C & D)
- ♦ IEC 60793-2-50 (Type B1.1 & B1.3)
- ♦ TIA/EIA-492 CAAB Fibre

MM:

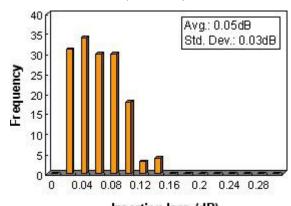
50/125um

- ♦ ITU G51
- ♦ IEC 793-2 Type A1 Optical Fibre Spec

62.5/125

♦ IEC 793-2 Type A1b Optical Fibre Spec



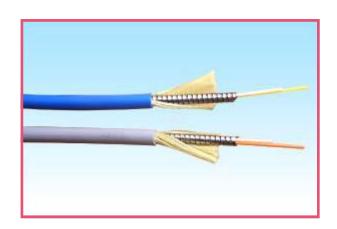


Insertion loss (dB)



^{*}Typical performance charts and Actual Data may vary from lot to lot

Optical Fibre Ruggedized Patch Cords





Features:

- A Micro diameter stainless steel tube for protection
- High resistance of tensile strength, pressure, rodent bite
- More convenient to deploy safely
- Patch cords are available for all connectors series
- Long-life construction
- Protects the optical fibre from harsh environments and improper operation

Outer Jacket Dia	Ye-			-X	02	
Fiber Count	1	2	4	6	8-12	
Dia (mm)	2.0/3.0	3.0	4.0	4.5	6.0	
	Sing	lemode	23	Mu	ltimode	
Standard Jacket Colour	E	Blue		Grey		
Operation Temp	-20℃ ~ +70℃			-20℃~ +70℃		
Max Pulling Force (N)	Short Term	200	S	hort Term	200	
	Long Term	150	L	Long Term 150		
Crush Resistance	Short Term	3000	S	Short Term 3000		
(N/100MM)	Long Term	1500	L	Long Term 1500		
Attenuation	1310nm	Max0.35dB/k	m	1310nm	Max3.0dB/km	
Attenuation	1550nm	Max0.25dB/k	m	1550nm Max1.0dE		
Stainless Steel Tube	SUS204					
Outer Jacket	PVC / LSZH					
Min Bending Radius	Min 30mm					



Optical Fibre LC Uni Boot Patch Cords

Market leading technology

In modern Data Centre applications Network Engineers need to consider all advantages available from the latest product developments.

Our Data Centre LC Uniboot Low Loss Fibre Patch leads offer savings & benefits over & above standard products.

The Uniboot / Monotube design allows for easy routing in the cable management as it's simply is half the size of standard Zipcord and one tube, turns corners easier than two.

An additional benefit will be found in the reduction of bulk, in that it allows for more efficient airflow & therefore a reduction in those expensive cooling & power costs.

Couple this with our factory tested & reported low loss termination which allow you to optimize loss budgets, and the Data Centre LC Uniboot Low Loss Fibre lead, put you in front of the game.

Data Centre—LC UniBoot

Low Loss Fibre Leads



Key Features:

• •

Data Centres

Applications:

- High Density Applications
- Low Loss Applications

Specifications:

Insertion Loss	<0.10dB	
Return Loss	-55dB(SM)	
	-30dB(MM)	
Durability	500 cycles	
Operating Temp	-40 to +85°C	
Ferrule	Zirconia	
Jacket	LSZH	

Options:

OM3
OM4
OS2
Call for info
0.5m to 300r

Uniboot / Montube construction:

The Uniboot / Monotube construction offer distinct advantages over standard Duplex Zip-Cord / Figure 8 construction.

These include:

- Easier routing in cable management
- Less bulk, Half the size of standard leads
- Allows great airflow cooling within cabinet

Low insertion loss termination:

Each cable has been factory tested to have a connector IL of less than 0.10dB. Each cable is serial numbered & it's results are included in the packaging & in a separate test report for easy reference during network design

Quality Market leading construction:

- LSZH (Low Smoke Zero Halogen) Jacket
- Easy Turn Connector, to reverse lead polarity
- Aramid (Kevlar) Yarn
- Zirconia Ceramic Connector Ferrule
- Easy release tab on LC Connector for crowded patch panels



Optical Fibre ODVA IP68 Ruggedized System





The ODVA Connectors, together with their mating TPU / Tactical optical cables, are fast becoming the standard interface specified for 3G, 4G, WiMAX Base Stations and Fiber-to-the Antenna applications.

Rated for IP68 requirements ODVA Connectors have passed testing for salt mist, humidity, dust, vibration & shock.

Suitable for MM & SM applications

Typical applications include:

- Mining
- Industrial
- Aerospace
- Defence

Suitable connectors include:

SC Single Core
SC / APC Single Core
LC Duplex Dual Core
LC/APC Duplex Dual Core
MPO/MTP 8, 12, 24 core



Typical cable construction for multicore cables

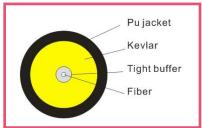








Typical cable construction for single cables





Optical Fibre Adaptors

Fibre Optic Adaptors

Adaptors, also know as couplers, are used to precisely align the end face of fibre optic connectors.

Adapters are available in both simplex and duplex designs and utilize high quality zirconia sleeves.

Standard adaptors are available for all connectors types, and most commonly mount in a FOBOT panel or wall plate.



SC

LC

ST

SC Angle

LC Angle

MPO / MTP

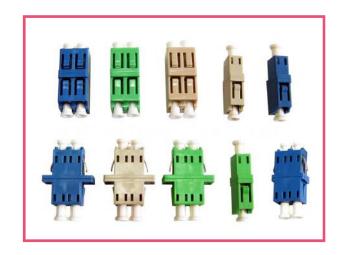
FC

FC Angle

MTRJ

All mode types are supplied and colour coded to match connector and cable jackets

Inters-series adaptors are also available on request.







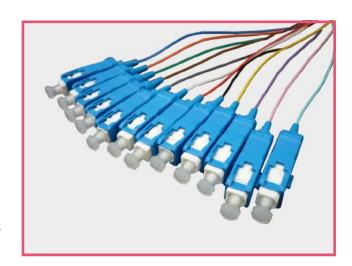




Optical Fibre Pigtails

Features

- Available for single mode and multimode
- Standard in 0.9mm (Available with 3mm or 2mm)
- Available in standard and custom configurations
- Low back reflection and insertion loss
- Ceramic ferrule
- SC, LC, ST, FC, MTRJ, SC/a, LC/a, Connectors
- single pack of white Available in
- 12 colour multi-pack IEC colours
- Custom Lengths and Colours available



Fibre Types and Polishes

50/125μm and 62.5/125μm for multimode 9/125µm for single mode, UPC and APC polish

Typical/Maximum Insertion Loss

 \leq 0.15 / 0.30 dB for UPC single mode

 \leq 0.15 / 0.30 dB for APC single mode

 \leq 0.20 / 0.30 dB for multimode



≥ 50 dB for UPC single mode fibre

≥ 60 dB for APC single mode fibre

Physical Environment:

Operating temperature:

Bend Radius:

Minimum 25mm



IEC61300-2

AS/ACIF S008:2001

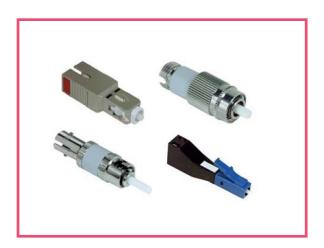
G.652D Low Water Peak (Single Mode)

Indoor / Splice Enclosure 20c to +70c





Optical Fibre Attenuators



Part Numbers		
ATS-SC-5	5dB	SC Attenuator Male to Female
ATS-SC-10	10dB	SC Attenuator Male to Female
ATS-SC-15	15dB	SC Attenuator Male to Female
ATS-SCA-5	5dB	SCA Attenuator Male to Female
ATS-SCA-10	10dB	SCA Attenuator Male to Female
ATS-SCA-15	15dB	SCA Attenuator Male to Female
ATS-LC-5	5dB	LC Attenuator Male to Female
ATS-LC-10	10dB	LC Attenuator Male to Female
ATS-LC-15	15dB	LC Attenuator Male to Female

Features

- In-Line Style
- Ceramic ferrules
- Top Quality materials
- Easy to Use
- Bi-Directional
- Available in all connectors Styles
- Stocked in LC/SC/SCA

Specifications

- 1310 / 1550nm
- 1dB to 20dB available
- Stocked in 5db, 10dB & 15dB
- -40° to +85° C

Other Attenuator Products

- Multi-Mode
- Variable
- Clip-on
- In-Line

Warranty

• Lifetime Replacement

SelectDat

Cables, Connectors & Mo

Optical Fibre SC Fast Connect

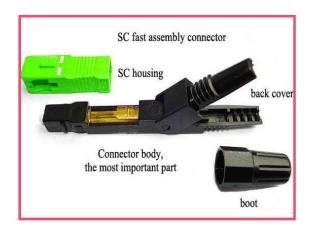
Field Assembly SC connector can provide a quick and easy termination of fibres in the field allowing the installer to terminate and make connection in minutes at equipment and fibre patch panels. This connector system removes any requirement for epoxy, adhesives or costly curing ovens.

Features

- Factory-installed fibre stub
- No epoxy or polishing required
- Quick and easy field termination
- Great for repair of breakages
- Cost effective



Applicable for	3.1x2.0mm drop cable or 3.0/2.0/0.9mm cable	
Optical fiber diameter	φ125um (657A&657B)	
Tight buffer diameter	φ250um	
Fiber mode	Single mode	
Operation time	About 10s (exclude fiber cut)	
Insert loss	≤0.3dB (1310nm & 1550nm)	
Return loss	≥45dB	
Fastening strength of naked fiber	≥ 5N	
Tight clamping force cladding	≥ 8N	
Tensile strength	≥ 50N	
Using temperature	-45°C~+80°C	







Optical Fibre MTP & MPO Solutions



Multi Fibre Solution incorporates both industry standard MPO (Multiple-Fiber Push-On/Pull-off) connectors and the Patented Lower Loss MTP®(USConec) Connector. These are available in SM & MM and are a ribbon fibre connector.

The system involves premade cassettes, trunk cables, patch panels / FOBOT's to provide a quick & easy installation for indoor data centre type environments.

The solution is High Density, Re-Deployable/ Relocatable, Factory Tested and Cost Effect.

While standard products are designed for 10Gb applications, 40 & 100 Gb solutions are also available.

Solutions are also available for QSFP interfaces.

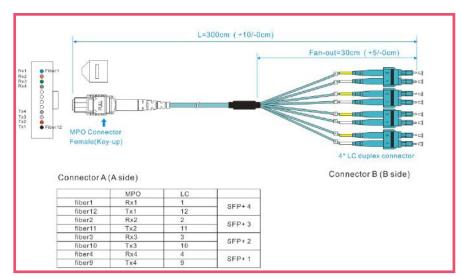








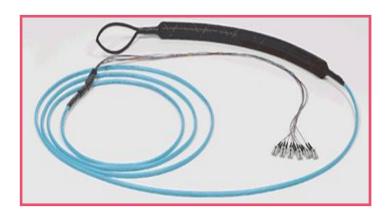






Optical Fibre

Pre-terminated Trunk Cables



Straight Fan-Out

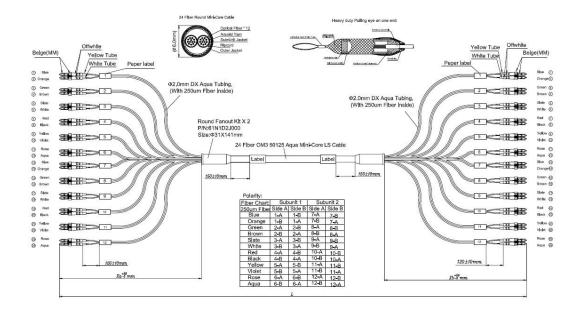
Pre-term Fibre Assemblies that are:

- 100% Factory tested
- Fast turnaround
- Cost Effective
- Plug & Play
- Configurable to customer specification

Standard options include:

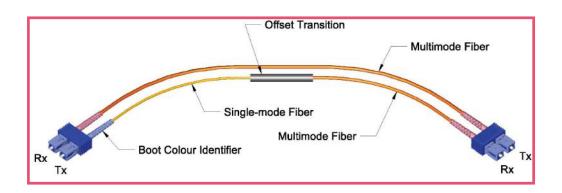
- 6/12/24 core
- OM3/OM4/Single Mode
- Indoor/Outdoor Riser
- LC/SC/ST/SCA/LCA
- Pulling sock
- Fan-Out length
- Staggered or straight Fan-Out
- Labelling

Other connectors / cable types available on request.





Optical Fibre Mode Conditioning Patch Leads



Mode Conditioning Patch Cords

Mode conditioning patch cords are required where Gigabit 1000 Base-LX routers and switches are installed into existing multimode cable plants. These specialized cords help avoid Differential Mode Delay (DMD) effects that can occur when long wave transceiver modules operate at both single-mode and multimode wavelengths. The mode conditioning patch cord causes the single-mode transceiver to create a launch similar to a typical multimode launch.

Our mode conditioning patch cords are custom made with any combination of ST, SC, LC, or MTRJ connectors at each end. A 9/125-singlemode fibre is offset to a multimode fibre on one leg while the other leg consists of a standard multimode fibre. The single mode/multimode side is plugged directly into the equipment.

The duplex multimode side of the patch cord is plugged into the cable plant side.

Our mode conditioning patch cords are compatible with 850nm or 1300nm Gigabit Ethernet on standard multimode fibre, and a VCSEL laser source into standard multimode fibre. They are built to the IEEE802.3z application standard.

Technical Specifications:

- < 0.05 dB laser transmit leg tested with 1310nm laser
- Multimode receiver leg tested with either 850 or 1300nm LED
- Connector styles: LC, MTRJ, SC and ST
- Cable Styles: 3.0mm or 1.6mm zip cord, 3.0mm 2-fiber ribbon (MTRJ only)

Part Numbers		
MC =	Mode Conditioning Lead	
A =	Mode on 1st side of lead	
В=	Mode on 2nd side of lead	
Z =	Connector on 1st side	
X =	Connector on 2nd side	
1=	Length	

The conditioned channel consists of a single-mode (yellow) fibre which has been fusion spliced to a multimode fibre (orange) in an offset manner, with a precise core alignment and angle. The non-conditioned channel consists of one length of (orange) multimode cable. Light is launched on to the multimode fibre of the conditioned channel at a specific angle, giving the patch cord its mode conditioning properties. The fusion splice is protected by a black over-wrap. The other side has both an orange (multimode) and a yellow (single-mode) cable end. This side of the cable connects to the Gigabit transceiver equipment with the yellow (single-mode) leg connecting to the transmit side. The (right) side has two (orange) multimode cable ends connecting to the cable plant.



Optical Fibre Lite Trace

Lite Trace Fibre Optic Leads

Features:

- Cable types
- OM3 Multimode
 OM4 Multimode
 OS2 Single Mode
- LSZH Sheath
- Uni-Boot Construction
- Monotube
- Connector types

LC LC/APC
SC SC/APC
ST FC
MTP / MPO

Unique Features:

Lite Trace

Attach the Trace Tester tool to the local/known end of the lead, turn the power on and both the local/known and remote/unknown end will light up

Push the Power Button and it will toggle between two modes, constant and flashing

LC -EZ Release

LC High Density application are always a tight fit, with Lite Trace's LC-EZ Release handle, simply lift the handle & this will lever the standard connector tabs & release the cables

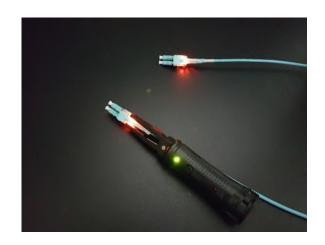
Description:

Looking for an easy method to trace your network connections in your crowded Data Centre or Equipment Cabinet infrastructure?

The answer is LiteTrace Leads!

Simply attached our Trace Tester tool to the rear of our *Lite Trace Lead* & we'll light the way

Fits with industry standard patch panels, network switches & Interface equipment



Part Number Breakdown

Product Series

Cable mode OM1 / OM3 / OM4 / OS2

Connector Types:

LC

L=LC/LA=LCA/C=SC/CA=SCA/T=ST/F=FC/M=MTP

Cable Length in metres

1 metre

Sheath Colour

Aqua

www.selectdata.com.au 07 3556 1480



LTOM4LL1AQ

Fibre Optic PLC Splitter



Rack Mount PLC Splitter is a high quality passive device that has been especially designed for passive internet (EPON, BPON, and GPON).

Available in cassette style or 1U format with 1:2 / 1:4 / 1:8 / 1:16 / 1:32 split

Applications:

- FTTx Networks
- PON Networks
- CATV System
- Data Communication
- Other applications in fibre optic systems

Features:

Low insertion loss, PDL and high Back Reflection

Good channel-to-channel uniformity

Wide Operating Wavelength: From 1260nm to 1650nm

High Mechanical Stability and Reliability

Wide Operating Temperature: From -40c to 85c

Compact package



Specifications:

Product Model	1*32 Rack Mount PLC Splitter	1*16 Rack Mount PLC Splitte	
Wavelength	1260nm to 1650nm	1260nm to 1650nm	
Insertion loss(db)	≤16.8	≤13.6	
Uniformity(db)	≤1.5	≤1.2	
PDL(db)	≤0.3	≤0.3	
Directivity(db)	≥55	≥55	
Reflection loss(db)	≥50	≥50	
Connector Type	SC/APC		
Operating temperature	-40 ~ +85 °C		
package	43*25*4.3cm		

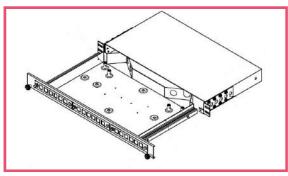


FOBOT 1U Sliding









Part NumberDescriptionFT1RU-S3Fibre Tray 1RU - SlidingFTSCSX66 Port SC SX or LC DX PlatesFTSCDX66 Port SC DX or LC Quad PlatesFTSTS66 port ST Simplex PlatesFTSTS1212 port ST Simplex PlatesFTBLANKBlank Plates

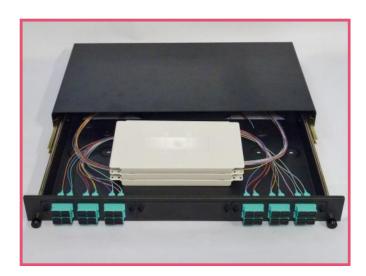
Features

- Angled rear cable entry
- Up to 72 LC Fibres in 1 RU
- Includes kit with:
 - Cable ties,
 - Strain relief gland,
 - Cage nuts,
 - Cable management clips,
 - Brass binding posts
- Connector panels available for:
 - FC Simplex
 - ST Simplex
 - SC Simplex or Duplex
 - LC Duplex or Quad
 - Blanking plates
- Supports most industry standard splice cassettes
- Black in colour
- Adjustable Mounting brackets
- Long life steel finish



FOBOT

1U Sliding—Rodent Proof











- **Part Number** Description FT1RU-S3-RP Fibre Tray 1RU - Sliding—Rodent Proof 6 Port SC SX or LC DX Plates FTSCSX6 6 Port SC DX or LC Quad Plates FTSCDX6 FTSTS6 6 port ST Simplex Plates FTSTS12 12 port ST Simplex Plates **FTBLANK Blank Plates Features**
- Angled rear cable entry
- Up to 72 LC Fibres in 1 RU
- Includes kit with:
 - Cable ties,
 - Strain relief gland,
 - Cage nuts,
 - Cable management clips,
 - **Brass binding posts**
- Connector panels available for:
 - **FC Simplex**
 - **ST Simplex**
 - SC Simplex or Duplex
 - LC Duplex or Quad
 - Blanking plates
 - Fits 3 x MTP Cassettes
- Supports most industry standard splice cassettes
- Black in colour
- Long life steel finish

Additional specific features to ensure enclosure integrity—Rodent Proof:

- Rodent Proof Cable entry points assessable via metal panel knockouts
- Addition lip on lid to add strength
- Flatten rear profile

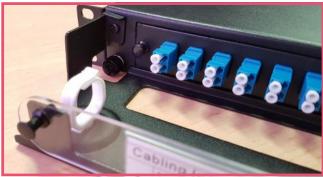


FOBOT

Front Cable Manager and Label



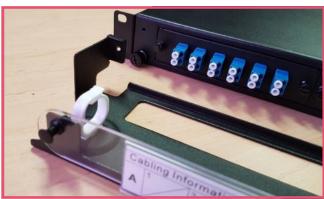
Fitted to FOBOT



Note screw fitting



Before installation



Note hole in FOBOT

Part Number Description

FT1RU-FCM 1U Front Cable Manager and Label

Features

- Suits 1U FOBOT
- Supports Patch leads
- Improves organization
- Can be retro fitted to existing FOBOTs
- Label can be written on or replaced with custom label
- Allows for Patch Leads to be directed

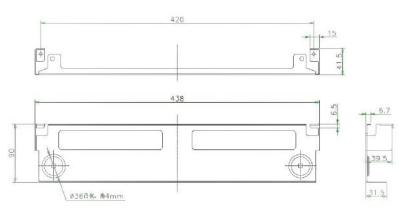
Left Right

Through to higher or lower levels

Details

Measurements 41.5mm x 438mm x 90mm
 Material Black Powered Aluminium
 Accessories inc 2x Cable Guides

Label holder





FOBOT Lockable Wall Box



Part Number Description

FT-WB1 Lockable 2 Door Wall Mount

Features

- Fits 2 standard plate (see below photo for selection)
- Wall Mount
- Top and Bottom cable knock out entries (8)
- Rodent Proof
- Up to 48 Fibres (48 x LC, 24 x SC/ST)
- Include Splice tray

Details

- Measurements 300mm x 270mm x 77.5mm
 Material Black Powered Steel
- Accessories inc 5x Cable Guides

2x Keys

2xCable Glands
5x Cable Ties

4x Wall Screws and Plugs





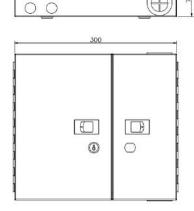
Plate Selection

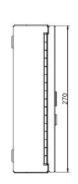
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FOBOT Small DIN Rail



Part Number Description

FT-WM-DIN Small DIN Mount/Wall Mount

Features

- Fits 1 standard plate (see below photo for selection)
- **DIN or Wall Mount**
- Top, Bottom & Rear cable knock out entries (6)
- **Rodent Proof**
- Fits MTP/MPO Cassette (if splice tray is removed)
- Up to 24 Fibres
- Include Splice tray

Details

- Measurements 222mm x 200mm x 47.5mm Material **Black Powered Steel**
- Accessories inc 2x Cable Guides

Din Clip

Cable Gland 2x Cable Ties



Fitted with Splice tray



Fitted with MTP/MPO Cassette





Plate Selection



FOBOT Mini DIN Rail



Front View



Accessories



DIN Clip

Part Number Description
FTDINMINI Mini DIN Box

Features

- DIN or Wall Mount
- 12 Fibre Capacity (SC or SCA)
- 24 Fibre Capacity (LC or LCA)
- Knock outs to suit

Top or Bottom Cable Entry MTP /MPO

- Rodent Proof
- Suitable for Pre-Terminated or Spliced Installation
- Works with Loose Tube or Riser Cable

Details

Measurements 155mm x 55.5mm x 110mm
 Material Black Powered costed Steel

Accessories inc Cable Gland

2 x Cable Guides (Adhesive Backed)

2 x Cable Ties DIN Rail Clip

2x Laser Warning Stickers



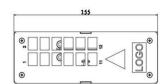
Top Cable Entry



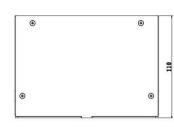
(Wall mount holes)

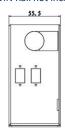
Side View

MTP / MPO



DIN Rail not included



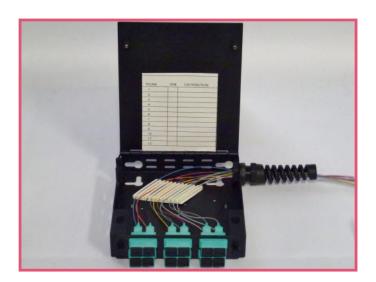


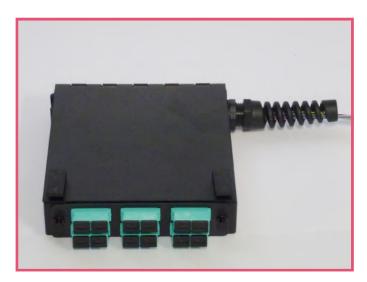


^{*} SC Duplex / LC Quad plate available as special order

FOBOT

Small Workgroup Enclosure



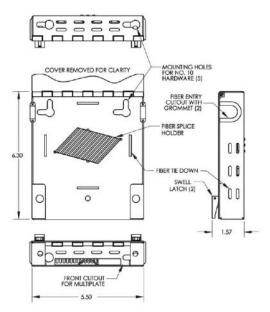




Part Number	Description
FT-WM2	Small Wall Box—1 Plate
FTSCSX6	6 Port SC SX or LC DX Plate
FTSCDX6	6 Port SC DX or LC Quad Plate
FTSTS6	6 port ST Simplex Plate
FTSTS12	12 port ST Simplex Plate
FTBLANK	Blank Plate

Features

- Ideal for tight spots
- Versatile mounting options
 - Screw mount
 - Cable ties
 - Adhesive
- Up to 24 LC Fibres
- Includes kit with:
 - Cable ties,
 - Strain relief gland,
 - Splice Comb
- Connector plates available for:
 - FC Simplex
 - ST Simplex
 - SC Simplex or Duplex
 - LC Duplex or Quad
 - Blanking plates
- Black in colour





FOBOT

Splice Accessories



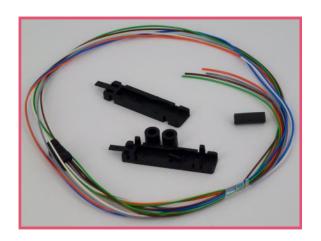
Part Number Description

TL-ST24D Deluxe Splice Tray 24 way

- Excellent cable management
- Stackable
- Clips available to hinge trays



Part Number	Description
TL-SP40	40mm Heat shrink splice protector
TL-SP60	60mm Heat shrink splice protector



Part Number Description

TL-FO12 Fan out kit 12 way with 600mm tail

TL-FO6 Fan out kit 6 way with 600mm tail



Part Number Description

TL-ST24 Splice Tray 12 way

- Stackable
- Double load the splice protector to make 24 way
- Compact size



FOBOT Dome Closures



Dome Closures are design to be the perfect re-enterable jointing closure for Aerial / Pole, Wall Mount & Underground Fibre Optic Splicing applications.

The closure has been made from high quality
Poly-Carbonate & features a easy to use clamp with a
Silicon Rubber seal for entry. The kit also includes all the
accessories you need during termination including
Sealant Lined Heat-Shrink Tubing.

Part Number	DC-12	DC-24	DC-48	DC-96
Dimensions (mm)	85x330	100 x 340	210x440	210x440
Weight (kg)	1.5	1.5	4	4
Cable Diameter (mm)	7 to 19	7 to 18	7 to 22	7 to 22
Entry Ports	2 in / 2 out	2 in / 3 out	6	6
Number of Tray s	2	2	2	4
Max Number of cores per tray	6	12	24	24
Max Capacity	12	24	48	96

Kits include:

- Splice Tray
- Splice Protectors
- Nylon cable ties
- Hanging Hook
- Branch Block
- Marking Stickers





FOBOT

Indoor Plastic Wall Boxes





Indoor Optical Fibre WallBox

- 150x110x30mm
- 3 x 5mm Cable Entry
- Build in Cable Management & Splice Comb
- Indoor use only
- Includes:
 - 2 x Cable Ties,
 - 2 x Splice Protectors,
 - 2 x Wood Screw & Gyprock mounting plugs
- Designed for 1 or 2x SC SX or 1or 2x SC/APC SX adaptors,
 - (could house 1 or 2 x LC DX Connectors)
- Ideal for Fibre to the Desktop
- Ideal for Fibre to the Home/Apartment/Hotel room





Indoor Optical Fibre WallBox

- 150x110x30mm
- 2 x 5mm Cable Entry
- Build in Cable Management & Splice Comb
- Indoor use only
- Includes:
 - 4 x Cable Ties,
 - 4 x Splice Protectors,
 - 4 x Wood Screw & Gyprock mounting plugs
- Designed for 4x SC SX or 4 x SC/APC SX adaptors, (could house 2 x LC DX Connectors)



FOBOT Outdoor Plastic Wall Box 6 Fibre



Outdoor Optical Fibre WallBox

- 210x140x40mm
- 1 x 12mm Grommeted Cable Entry
- Build in Cable Management & Splice Comb
- Suitable for Indoor and Outdoor use
- IP55 Rated
- Includes:
 - 6 x Splice Protectors,
 - 2 x Wood Screw & Gyprock mounting plugs
 - Door key
- Designed for 6x SC SX or 6 x SC/APC SX adaptors, (could house 3 x LC DX Connectors)
- Great replacement for a FOBOT or Metal WallBox for small fibre counts







FOBOT

Outdoor Plastic Wall Box 12 Fibre



Outdoor Optical Fibre WallBox

- 240x300x90mm
- 2 x 10mm Grommetted Cable Entry
 (+ 2 x 2 sizes of Gromet reducers)
- Build in Cable Management & Splice Comb
- Suitable for Indoor and Outdoor use
- IP55 Rated
- Includes:

12 x Splice Protectors,

4 x Wood Screw & Gyprock mounting plugs

Door key

80mm of 3mm protective over tube

- Designed for 12x SC SX or 12 x SC/APC SX adaptors,
 - (could house 6 x LC DX Connectors)
- Great replacement for a FOBOT or Metal WallBox for small fibre counts

Outdoor Plastic Wall Box 24 Fibre



Outdoor Optical Fibre WallBox

- 280x320x120mm
- 2 x Slotted Multi-Size Rubberised Cable Entry
- Build in Cable Management & Splice Comb
- Suitable for Indoor and Outdoor use
- IP55 Rated
- Includes:

24 x Splice Protectors,

4 x Wood Screw & Gyprock mounting plugs

Door key

40mm of 3mm protective over tube

- Designed for 24x SC SX or 24 x SC/APC SX adaptors,
 - (could house 12 x LC DX Connectors)
- Great replacement for a FOBOT or Metal WallBox for small fibre counts



Fibre to Ethernet Media Convertors



Ask us for other options, these include:

- UTP Powered
- SFP Slot
- 10/100/100Mbps
- Bi-Directional
- Single Mode Distances up to 120klms
- Other Wavelengths
- Chassis Mounts

Features

• TP Port Rate: 10/100 or 1000Mbps Auto-negotiation

• Fibre Port Rate: 100 or 1000 Mbps

Duplex Mode : Full-DX/Half-DX Auto-neg.

• UTP Ports : RJ-45 UTP

• Fibre Ports : SC (Multimode or Single Mode)

• LED Indicators : TX & FX, FP-LINK 1000M,PWR,DVP

Power Requirement : 1A@ +5V/DC

External power supply

• Ambient Temperature : 0~602

• Humidity: 5%~90%

Dimensions: 95mm(W)x70mm(D)x26mm(H)

FCC Part 15 Class B, CE Mark & C-Tick

Standards

IEEE802.3UI

10/100Base-TX and 100Base-FX

1000Base-Tx and 1000Base-Fx

Australian Standards Approved Power Supply

Model	Fibre	Max	
Numbers	Mode	Distance	Wave Length
10/100 Mbps			
CMTFCM	MM	2KM	850nm/1300nm
CMTFCS-10	SM	10KM	1310nm
Gigabit		_	
CMGSCM	MM	2KM	850nm
CMGSCS-10	SM	10km	1310





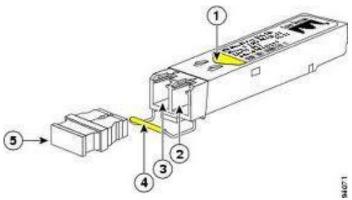


Fibre to Ethernet SFP Modules



SFP Modules

The **small form-factor pluggable** (**SFP**) is a compact, hot-pluggable transceiver used for both telecommunication and data communications applications. The form factor and electrical interface are specified by a multi-source agreement (MSA). It interfaces a network device mother board (for a switch, router, media converter or similar device) to a fiber optic network cable. It is a popular industry format jointly developed and supported by many network component vendors. ^[1] SFP transceivers are designed to support SONET, Gigabit Ethernet, Fibre Channel, and other communications standards. Due to its smaller size, SFP obsoletes the formerly ubiquitous gigabit interface converter (GBIC); the SFP is sometimes referred to as a **Mini-GBIC** although no device with this name has ever been defined in the MSAs





Netgear Force 10 Riverstone
3-Com Foundary SMC
Alcatel-Lucent H3C Transition Networks
Adtran Trendnet

Allied Telesis IBM ZTE
Arista Intel ZTE
Avaya Juniper Zyxel

Brocade

Linksys

Marconi

Celix

Marconi

McAfee

Linksys

If your brand is not on this list
check with us anyway as it is likely
we can supply it



Optical Fibre Tools AU-19 Fusion Splicer

AU-19 OPTICAL FIBRE FUSION SPLICER



Features and Benefits:

- √ 5" Colour Screen
- √ 6 Second Splicing (16 Second heating)
- √ Lithium Battery (approx. 200 Splices)
- ✓ Smart phone App Interface for recording data
- √ Single Mode & Multi-Mode Splicing
- ✓ Core Alignment Splicing
- √ Compact size (122x130x148mm)
- √ Extensive accessory kit supplied (inc Cleaver, Strippers etc.)

What's included in the kit:



Fiber Cleaver



Spare electrode



Wire stripping pliers



s Miller stripper



Hex key



carrying case



Fiber for ARC calibration



Strap



Power Adapte



Alcohol Bottle



Brush



User's manual Quality Certificate Warranty Card



Siemens stepper motor



Roth ROUST linear guide



Sanyo lithium battery



Aviation metal material



Optical Fibre Tools CLV-100c Cleaver



Features

- Compact Body
- Light Weight
- 54,000 Blade Life
- Simple One Step Operation
- Auto-return
- 95mm x 90mm x 65mm
- 420g
- Bare Fibre Diameter 125um
- Coating Diameter 250um, 900um
- Cleaving Length 250um 9~16mm

900um 10~16mm









Optical Fibre Tools Visual Fault Locator





Part Numbers:

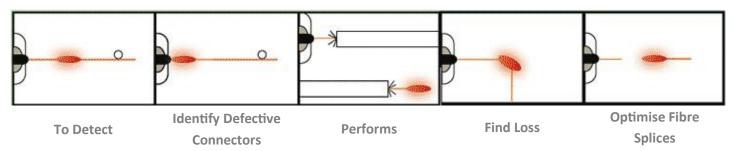
TL-VFL Visual Fault Locator for SC/ST/FC/LC

VFL Features:

- Simple, versatile, and user-friendly design
- Rugged, compact, and splash proof copper housing
- Three operation modes available:
 - "CW" (Continuous wave output),
 - "Pulse"
 - "Off"
- Continuous wave output mode (CW) for steady fault illumination
- Pulse mode helps to locate faults under high ambient light conditions
- Support 1.25mm connectors (LC)
- Support 2.5mm connectors (for PC/FC/SC/ST)
- The button switch permits easy one handed operation
- Handy, pocket pen design

VFL's

Fault Locators are a special class of light sources that emit a high intensity visible red laser into a patch cord or cable. This light can be used to both check the continuity of a fibre an identify the fibre's far end, or it can be used to visually identify the location of a fibre break. Most fault locators are optimised for single mode use, however they work equally well with multimode fibre.





Optical Fibre Tools Push Cleaner— Connector Cleaner

Push Cleaner

Why Clean Fibre Connectors:

- Cleaning Saves Time and Money!
- Dirty connectors cause a major percentage of fibre optic network failures.
- Prevention is simple Clean Connectors!
- Proper cleaning saves money by eliminating service calls caused by dirty connectors
- Proper cleaning extends the life of connects and reduces replacement costs
- Clean connectors maximize the performance of the network and reduce repair cost



FEATURES:

- Push type Fibre Optic Cleaner
- 2 Styles
- 1.25mm Style suits LC / LC APC Connectors
- 2.5mm Style suits SC / ST / FC / SC APC Connectors
- Both for Adapter / Bulkhead / Receptacle and Patch cord Connector
- 800+ cleans per unit
- Superior Cleaning Effect
- Thin type to clean SFP on bottom of PCB direct
- Easy and Simple and Pocket Portable
- Windows for showing the remain cleaning times
- Very useful cleaner in field

Push Cleaner is an easy-to-use option for cleaning connectors on jumpers and in adapters. Simply insert the Push-Cleaner into an adapter and push until an audible "click" is heard. The Push Cleaner uses the mechanical push action to advance an optical grade cleaning tape while the cleaning tip is rotated to ensure the fibre end-face is effectively, but gently cleaned. The Push Cleaner is a must-have for field technicians. Small enough to fit in a shirt pocket and a great addition to cleaning kits.



Optical Fibre Tools 400x Microscope

Inspection Microscope

Our low cost, high quality Fibre Optic Hand Held Microscopes offer you 400X magnification.

These Fibre Optic Microscopes utilize white LED light to provide you with bright, coaxial illumination of your fibre optic connector end-faces.



This method of illumination enables you to see, in high-resolution detail, any scratches, defects or contamination you may have on your fibre optic end-face surfaces.



Three "AAA" batteries provide you with more than 40 hours of use before battery replacement is required.

Your Fibre Optic Hand Held Microscope comes with a universal 2.5mm adapter, suitable for ST/SC/FC connectors, a 1.25mm Adaptor of LC / MU connectors is an optional extra.

The size of these handy, very compact Fibre Optic Microscopes is just 22.25cm L x 5.5cm H





Optical Fibre Tools Termination Accessories









A world of products to chose from....

Tool Kits

Splicers

Cleavers

Cutters

Strippers

Slitters

Power Source

Light Meters

OTDR's

Microscopes

Visual Fault Locators

Kim Wipes

Isopropyl Alcohol

Polishing Film

Polishing Dies

Ovens

& many, many more

Contact us with your requirements.











Copper Ethernet Products Lite Trace Leads

Lite Trace Copper RJ45 Leads

Features:

- Cable types
- Cat 5 eCat 6Cat 6 A
- LSZH Sheath
- Snag-less Connector Design
- Meets or exceeds all applicable standards

TIA/EIA 568C.2 ISO/IEC 11801 ACMA

Unique Features:

Lite Trace

Attach the Trace Tester tool to the local/known end of the lead, turn the power on and both the local/known and remote/unknown end will light up

Push the Power Button and it will toggle between two modes, constant and flashing

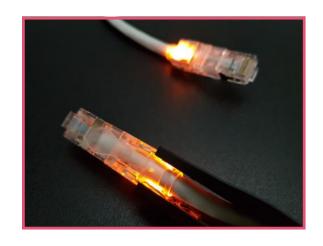
Description:

Looking for an easy method to trace your network connections in your crowded Data Centre or Equipment Cabinet infrastructure?

The answer is LiteTrace Leads!

Simply attached our Trace Tester tool to the rear of our *Lite Trace Lead* & we'll light the way

Fits with industry standard patch panels, network switches & Interface equipment



Part Number Breakdown

Product Series Lite Trace

Cable mode Cat 5e / Cat 6 / Cat 6A C6A

Cable Length in metres 0.5 metre

Sheath Colour Blue

LT C6A 0.5 BL



Copper Ethernet Products Cat 5e Patch Leads



Cat 5e patch cables are the ideal choice for connecting home or small office networks including hubs, switches, routers, modems and patch panels.

Our Cat 5e patch cables meet or exceed Cat 5e specifications including international TIA/EIA standards and are A-Tick certified as per ACMA requirements.

Manufactured using 24AWG twisted pair stranded conductors and 50 Microns of gold on the connectors to guarantee maximum performance and to ensure reliable data transmission in the most demanding network environments.

For durability and long lasting performance, our Cat 5e cables feature a snagless design moulded boot to prevent unwanted cable snags during installation and protects the RJ45 connector clips from damage

Features:

- 24 AWG Wire
- Rated up to 350Mhz
- CM rated PVC Jacket
- Snag-less Boot
- RJ45 50u Gold Plated
- Australian Standards Approved (AS/CA S008/2010)
- Cat 5e Compliance (TIA568C.2)
- 10 Colours
 - ⇒ Blue
 - ⇒ Yellow
 - ⇒ Green
 - \Rightarrow Red
 - ⇒ Black
 - \Rightarrow Orange
 - ⇒ Violet
 - \Rightarrow White
 - ⇒ Pink
 - ⇒ Grey

Part #	Description	Length
C5PL0.5xx	Cat5e 24AWG Snagless Patch Leads	0.5mt
C5PL1xx	Cat5e 24AWG Snagless Patch Leads	1mt
C5PL1.5xx	Cat5e 24AWG Snagless Patch Leads	1.5mt
C5PL2xx	Cat5e 24AWG Snagless Patch Leads	2mt
C5PL3xx	Cat5e 24AWG Snagless Patch Leads	3mt
C5PL5xx	Cat5e 24AWG Snagless Patch Leads	5mt
C5PL10xx	Cat5e 24AWG Snagless Patch Leads	10mt
xx = Colour:	BL=Blue, YL = Yellow, GN = Green, RD = Red, PK = Pink	
	BK = Black, OR = Orange, VL = Violet, WH = W	hite, GY=Grey



Copper Ethernet Products Cat 6 Patch Leads



Features:

- 24 AWG Wire
- Rated up to 550Mhz
- CM rated PVC Jacket
- Snag-less Boot
- RJ45 50u Gold Plated
- Australian Standards Approved (AS/CA S008/2010)
- Cat 6 Compliance (TIA568C.2)
- 10 Colours
 - ⇒ Blue
 - ⇒ Yellow
 - \Rightarrow Green
 - \Rightarrow Red
 - ⇒ Black
 - \Rightarrow Orange
 - \Rightarrow Violet
 - \Rightarrow White
 - \Rightarrow Pink
 - ⇒ Grey

Your network is only as good as your infrastructure. Cat 6 patch cables are designed for high performance networks where maximum speeds and reliability are required. Ideal for connecting switches, storage devices, routers, modems, host adapters and patch panels. Our Cat 6 patch cables meet or exceed Cat 6 specifications including international TIA/EIA standards and are A-Tick certified as per ACMA requirements.

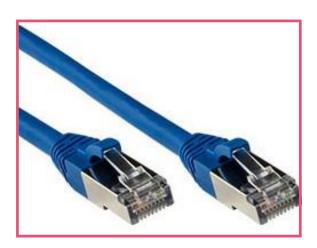
Manufactured using 24AWG twisted pair stranded conductors and 50 Microns of gold on the connectors to guarantee maximum performance and to ensure reliable data transmission in the most demanding network environments. Our Cat 6 cables also feature staggered pin construction and offset twisted pairs to minimize Near End Crosstalk (NEXT) levels.

For durability and long lasting performance, our Cat 6 cables feature a snagless design moulded boot to prevent unwanted cable snags during installation and protects the RJ45 connector clips from damage.

Part #	Description	Length
C6PL0.5xx	Cat6 24AWG Snagless Patch Leads	0.5mt
C6PL1xx	Cat6 24AWG Snagless Patch Leads	1mt
C6PL1.5xx	Cat6 24AWG Snagless Patch Leads	1.5mt
C6PL2xx	Cat6 24AWG Snagless Patch Leads	2mt
C6PL3xx	Cat6 24AWG Snagless Patch Leads	3mt
C6PL5xx	Cat6 24AWG Snagless Patch Leads	5mt
C6PL10xx	Cat6 24AWG Snagless Patch Leads	10mt
xx = Colour:	BL=Blue, YL = Yellow, GN = Green, RD = Red, PK = Pink	
	BK = Black, OR = Orange, VL = Violet, WH = White, GY=Grey	



Copper Ethernet Products Cat 6A S/FTP Patch Leads



Features:

- 26 AWG Wire
- Fire Resistant/Flame Retardant PVC Jacket
- Shielding—Overall Braid
- Shielding—Ali Foil /Mylar on each pair
- Snag-less Boot
- Shielded RJ45 50u Gold Plated—Staggered Pin
- Australian Standards Approved (AS/CA S008/2010)
- Cat 6A Compliance (TIA568C.2.1)
- 8 Colours
 - ⇒ Blue
 - \Rightarrow Red
 - \Rightarrow Grey
 - ⇒ Orange
 - ⇒ Violet
 - \Rightarrow Yellow
 - ⇒ Green
 - ⇒ Black

10 Gigabit Ethernet Cat 6A S/FTP shielded patch cables are designed for high performance networks in the data centre or anywhere maximum speeds and reliability are required.

Our Cat 6A S/FTP patch cables meet or exceed Cat 6A specifications including international TIA/EIA standards, IEEE 802.3an, ISO/IEC 11801 and are A-Tick certified as per ACMA requirements.

These shielded cables are manufactured using four individually aluminium foil mylar wrapped twisted pairs and an overall braided shield to eliminate alien crosstalk and to ensure reliable data transmission in the most demanding network environments.

Our Cat 6A cables also feature staggered pin construction and offset twisted pairs to minimize Near End Crosstalk (NEXT) levels.

For durability and long lasting performance, Cat 6A patch cables feature a snagless design moulded boot to prevent unwanted cable snags during installation and protects the RJ45 connector clips from damage

Part #	Description	Length
C6APLS0.5xx	Cat6a 24AWG S/FTP Patch Leads	0.5mt
C6APLS1xx	Cat6a 24AWG S/FTP Patch Leads	1mt
C6A5PSL1.5xx	Cat6a 24AWG S/FTP Patch Leads	1.5mt
C6APLS2xx	Cat6a 24AWG S/FTP Patch Leads	2mt
C6APLS3xx	Cat6a 24AWG S/FTP Patch Leads	3mt
C6APLS5xx	Cat6a 24AWG S/FTP Patch Leads	5mt
C6APLS10xx	Cat6a 24AWG S/FTP Patch Leads	10mt
xx = Colour:	BL=Blue, YL=Yellow, RD=Red, GY=Grey	
	BK = Black, GN = Green, OR=Orange, VL=Voile	t



Copper Ethernet Products Slimline Cat 6A Patch Leads



Slimline Category 6A Patch Leads are quickly becoming the preferred patching solution for crowded Server Rooms, Data Centres & Patch Systems.

The decreased diameter of the cable, about half the size of a standard cable, allows for easier cable management, and flexibility as well as better airflow in the cabinet.

We have incorporated a quality 50u Gold RJ45 Connector with a snag-less tab protector, ensure the best quality solution of your cabling plant.

Features:

- Half the space of a standard Cat 6A Patch Lead
- 28 AWG Wire
- 3.8mm O.D.
- LSZH Jacket
- Snag-less Boot
- RJ45 50u Gold Plated
- Australian Standards Approved (AS/CA S008/2010)
- Cat 6ACompliance (TIA568C.2.1)
- 10 Colours

\Rightarrow	В	lue

\Rightarrow	Yel	low

- ⇒ Green
- \Rightarrow Red
- ⇒ Black
- ⇒ Orange
- ⇒ Violet
- \Rightarrow White
- ⇒ Pink
- ⇒ Grey

Part #	Description	Length
C6ASPL0.3xx	Slim Cat6A 28AWG LSZH Patch Leads	0.3mt
C6ASPL0.5xx	Slim Cat6A 28AWG LSZH Patch Leads	0.5mt
C6ASPL1xx	Slim Cat6A 28AWG LSZH Patch Leads	1mt
C6ASPL1.5xx	Slim Cat6A 28AWG LSZH Patch Leads	1.5mt
C6ASPL2xx	Slim Cat6A 28AWG LSZH Patch Leads	2mt
C6ASPL3xx	Slim Cat6A 28AWG LSZH Patch Leads	3mt
C6ASPL5xx	Slim Cat6A 28AWG LSZH Patch Leads	5mt
xx = Colour:	BL=Blue, YL = Yellow, GN = Green, RD = Red, PK = Pink	
	BK = Black, OR = Orange, VL = Violet, WH = W	hite, GY=Grey

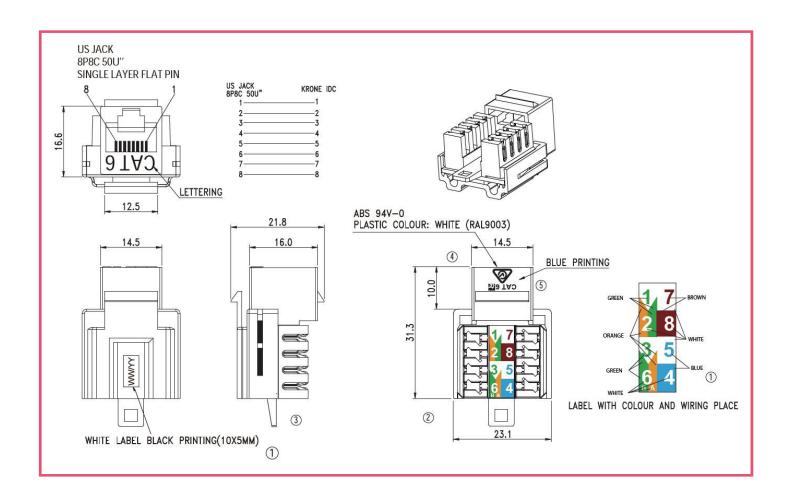


Copper Ethernet Products Cat 6 Keystone Jacks



FEATURES

- 180 degree Keystone Jack
- Main Housing & IDC Terminal: UL94-VO
- IDC Termination: Phosphor Bronze, Tin Plated
- 8PINS: Gold Plating- 50U"
- RJ45 Contacts: Insertions >750 Times
- IDC Life: Insertions >250 Times
- Compliant with EIA/TIA specifications
- Dual colour-coded label for both T568A/T568B wiring schemes
- RoHS Compliant
- Adaptor to suit HPM and Clipsal plates supplied
- Pack of 10 Keystones

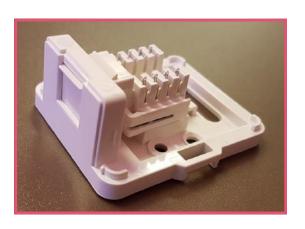




Copper Ethernet Products Keystone Surface Mounts







Features:

Shutter Dust Doors
Identification Label Window
Fits standard Keystone Jacks
ABS Plastic 94-VO
Easy Clip on Top Covers
Multiple Cable Entry Points
Built in Cable tie points

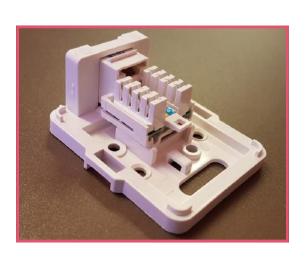
Includes: Mounting screws

Adhesive back Cable Tie

Single: 60mm x 52mm x 28mm

Dual: 60mm x 73mm x 28mm

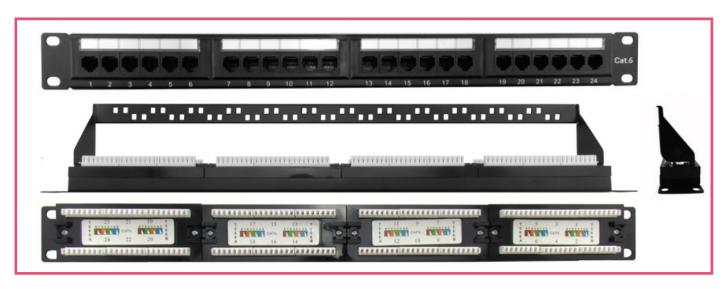








Copper Ethernet Products Cat 6 Patch Panels



FEATURES

Patch panel case, metal 1U

RoHS Compliant

RJ45 Jacks

Body: PC UL94V-0 rated.

Colour: Matte Black

50u" Gold plated over Nickel plated in contact area.

Tin-lead over Nickel in solder area.

Connector: Krone & 110 connector body: PC UL94V-0

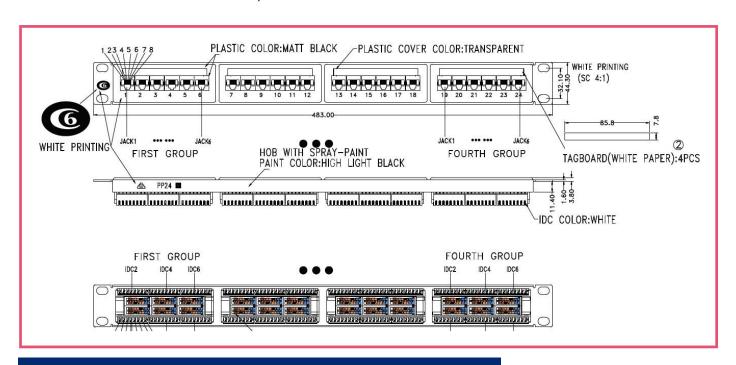
Contact: Phosphor Bronze with Tin plated

Colour: Ivory

P.C. board: FR4, 1.6mm double side, UL94V-0

Operation temperature: 0° to 80°C Insertion force: 900gms for 8 contacts

Retention strength: 7.7kgs between jack and plug Durability: 750 cycles contact resistance test check





Copper Ethernet Products Cat 6 4 Pair Cable



FEATURES

- 305 Metre reel in a box
- Cable colour: Blue, Green, Grey, Orange, Purple, Yellow & special order colours available.
- Premium quality PVC Jacket Material and HPDE insulation compound
- Comply with latest Australian standards AS/CA S008:2010 + A1:2014

(Test report No.: 0813TEL_ LAN5ESLD-LAND6SLD_S08)

- ETL Verified to ANTI/TIA-568-C.2 Category 6 (CERT.No.:3178930CRT-002m)
- Reach and RoHS compliance
- Production under UL follow-up inspection procedure

TRANSMISSION PERFORMANCE

Impedance 100±15 ohms(1~100MHz)

100±22 ohms(101~200MHz)

100±32 ohms(201~250MHz)

Propagation delay skew 45ns/100m

ITEM

Conductor	Material Anneal bare copper	
	Construction 1/0	0.57+/-0.01
Insulation	Material	HDPE
	Thickness	0.21+/-0.005
	Diameter	0.99+/-0.02

Jacket PVC Material Thickness 0.58+/-0.05 Diameter 6.1+/-0.3

SPECIFICATION

Freq(MHz)	Att.(dB/100m)	NEXT(dB/100m)	PSNEXT(dB/100m)) ACRF(dB/100m)	PSACRF(dB/100m)	RL(dB/100m)	DELAYns/100m
1	2.0	74.3	72.3	67.8	64.8	20.0	570.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0
8	5.3	60.8	58.8	49.7	46.7	24.5	546.7
10	6.0	59.3	57.3	47.8	44.8	25.0	545.4
16	7.6	56.2	54.2	43.7	40.7	25.0	543.0
20	8.5	54.8	52.8	41.8	38.8	25.0	542.0
25	9.5	53.3	51.3	39.8	36.8	24.3	541.2
31.25	10.7	51.9	49.9	37.9	34.9	23.6	540.4
62.5	15.4	47.4	45.4	31.9	28.9	21.5	538.6
100	19.8	44.3	42.3	27.8	24.8	20.1	537.6
200	29.0	39.8	37.8	21.8	18.8	18.0	536.5
250	32.8	38.3	36.3	19.8	16.8	17.3	536.3



Cable Management Plastic Bezels



WPC-KSB-CLIPSAL-xx



WPC-KSB-xx

Part Number	Description
WPC-KSB -CLIPSAL -BK	Keystone to Clipsal Bezel - Black
WPC-KSB -CLIPSAL -WH	Keystone to Clipsal Bezel - White
WPC-KSB-BK	Keystone & Systemax to Clipsal Bezel - Black
WPC-KSB-WH	Keystone & Systemax to Clipsal Bezel - White
WPC-KSB-BL	Keystone & Systemax to Clipsal Bezel - Blue
WPC-KSB-RD	Keystone & Systemax to Clipsal Bezel - Red
WB25ABK	25mmx25mm Clipsal Aperture Adaptor (F30z) -Black
WB25AWH	25mmx25mm Clipsal Aperture Adaptor (F30z) -White
WB25ABLANKWH	25mmx25mm Blank - White (F30z)



WB25AWH V



WB25ABK



WB25ABLANKWH



Cable Management Wall Plates



Australian Style Wall Plates

- 1,2,3,4,6 Cavity
- Suit Clipsal Mechanisms and fittings
- Suit most Data Jacks













Custom Wall Plates

- Clipsal 2000 or Clipsal Iconic Series
- Printed to meet your requirement
- Crafted for installation of most common connectors
 - Data
 - Video
 - Audio
- Horizontal or Vertical Designs
- Custom Switch ID Printing







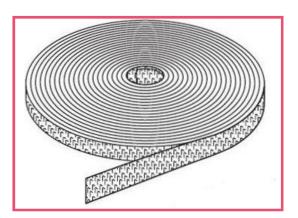




Cable Management Velcro, Panels and Rings







Part Number	Description
VCC500012	12mm wide, 50mt continuous roll Velcro Hook & Loop
VCC250012	12mm wide, 25mt continuous roll Velcro Hook & Loop











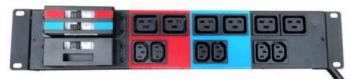


Part Number	Description
PP-CM5-1U	Cable Manager 5 "U" Style Hangers - 1U
PP-CM4-1U	Cable Manager 4 "C " Style Hangers - 1U
PP-DUCT-1U	Cable Manager 15 Slot Finger Duct - 1U
PP-CMV1U	Vertical Cable Rings - Small (62mmx 32mm)
PP-CMV2U	Vertical Cable Rings - Medium (62mmx 62mm)
PP-CMVL2U	Vertical Cable Rings - Large (124mmx 64mm)
PP- RECESSKIT	Patch Panel Recess Kit - 5 cm
PP-CGNUTS	Cage Nut & Bolt Set (Pack of 4)



Power Products Custom Power Distribution Unit

Let us make a PDU Solutions custom fit your requirement



Below are some of the many options we can incorporate into a custom PDU for you

Output options











Australian 3 Pin GPO

IEC LOCK-C13

IEC LOCK-C19

Input options-cable mount











Input options – Surface mount



IEC-C14 10A

IEC-C20 16A

Captive nut

C14 Panel mount C20 Panel mount

Input options 56 Series Single Phase











Input options 56 Series Three Phase





General options



Power Indicator





20A 3P

32A 3P



Current Meter and Monitoring

End Mount Side



Switches



Colour Coding

Circuit protection















Switch/Thermal Breaker RCD/MCB



End Mount Down



End Mount Up

Side Mount Down

Side Mount Up



Power Products Standard PDU's



Our Power Distribution Units—PDU's have been designed as an ideal distribution point for Rack / Cabinet mounted power, providing reliable distribution via a single input with multiple outputs.

Standard Units include 1.8mts power cords, OLP (Overload Protection) , 19" Rack Mounting hardware.

Options include Surge Protection, IEC Power Inlets, & socket configurations up to 20 way on vertical with the ability to mix IEC & Australian 3 pins Sockets.

Standard Products

Part NumberDescriptionAustralian 3 Pin PDUAUS 1U 8 way Horizontal with OLPSDP-AUS10-07SHSPAUS 1U 7way Horizontal with OLP & SPSDP-AUS10-12SVSPAUS 1U 12 way Vertical with OLP & SPSDP-AUS10-20SVSPAUS 1U 20 way Vertical with OLP & SP

IEC C13 PDU

SDP-IEC10-10SH IEC 1U 10 way Horizontal with OLP
SDP-IEC10-08SHSP IEC 1U 8 way Horizontal with OLP & SP
SDP-IEC10-12SVSP IEC 1U 12 way Vertical with OLP & SP
SDP-IEC10-20SVSP IEC 1U 20 way Vertical with OLP & SP





Key Features:

- IEC or AUS 3 Pin
- Independently Tested & certified to exceed Australian Standards requirements
- 10 AMP OLP (Over Load Protection)
- Rack Mount Hardware included
- 1.8mt attached cord

Optional Features:

- SP (Surge Protection)
- Configurable Formats
 - IEC Inlet
 - Mixed Connections (IEC /AUS 3Pin)
 - Up to 20way Vertical



Power Products IEC Lock



UNIQUE PATENTED LOCKABLE FEMALE C13 & C19 IEC CONNECTORS AND OUTLETS

Guards against accidental disconnection of Computers, PDU's, Servers and most Network Devices.



Suitable for use with 'ANY STANDARD' C14 or C20 inlet

- Protects appliances that are vulnerable to vibration
- Connector cannot be accidentally pulled or vibrated out of the inlet





THE ORIGINAL & PATENTED RETROFIT SOLUTION NOW COMES IN A REWIREABLE VERSION!

- . Rewireable offering total flexibility when assembling cables
- LSZH Low Smoke Zero Halogen

WORLD'S
FIRST
LOCKING REWIREABLE
C13 IEC CONNECTOR





Power Products IEC Lock



C13 to C14



C13 to Free Stripped End



C13 to Australian 3 pin



C13+ (High Density) to C14



C13+ (High Density) to Free Stripped End



C13+ (High Density) to Australian 3 pin



C19 to C20



C19 to Free Stripped End



C19 to Australian 3 pin





C13 Panel



C19 Panel



Rewireable C13+



Panel

C13







Approved for use in Australia



International Patent application No. PCT/GB02/05714



Power Products IEC Cord Sets

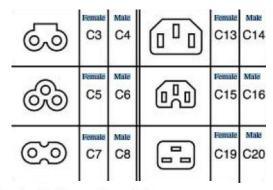








Part Number	Description		
IEC-SAAC13-1BK	SAA - C13 10amp Black 1mt		
IEC-SAAC13-2BK	SAA - C13 10amp Black 2mt		
IEC-SAAC13-3BK	SAA - C13 10amp Black 3mt		
IEC-SAAC13-5BK	SAA - C13 10amp Black 5mt		
IEC-SAAC19-1BK	SAA - C19 15amp Black 1mt		
IEC-SAAC19-2BK	SAA - C19 15amp Black 2mt		
IEC-SAAC19-3BK	SAA - C19 15amp Black 3mt		
IEC-SAAC19-5BK	SAA - C19 15amp Black 5mt		
IEC-C13C14-1BK	C13 - C14 10amp Black 1mt		
IEC-C13C14-2BK	C13 - C14 10amp Black 2mt		
IEC-C13C14-3BK	C13 - C14 10amp Black 3mt		
IEC-C13C14-5BK	C13 - C14 10amp Black 5mt		
IEC-C19C20-1BK	C19 - C20 15amp Black 1mt		
IEC-C19C20-2BK	C19 - C20 15amp Black 2mt		
IEC-C19C2O-3BK	C19 - C20 15amp Black 3mt		
IEC-C19C20-5BK	C19 - C20 15amp Black 5mt		
IEC-SAAC19-2BK-10amp	SAA - C19 10amp Black 2mt		
IEC-SAAC14-150MM	SAA - C14 10amp Black 150mm		
IEC-SAAC13-2OR SAA - C13 10amp Orange 2mt - M			



- All Power Cords meet Australia Power Regulations
- Above part numbers are our standard stock lines
- Standard colour is black
- "SAA" in part number signifies standard Australian Plug
- Other Colours & lengths may be available but with M.O.Q.



Industrial Networking Connections—M12

M12 connectors are circular connectors with a 12-mm locking thread used for sensors, actuators, Fieldbus and industrial Ethernet, primarily in factory automation applications. Often with ratings of IP65, IP68 and IP69K, they are ideal for wash down and corrosive environments.

They are available with 3, 4, 5, 8 and 12 pins. While higher pin counts are not planned, other locking styles such as bayonet and push-pull are continuously under development.

The M12 family can be found in many applications such as factory automation, measurement and control, communications, food and beverage, transportation, agriculture, robotics and alternative energy.

When it comes to specific applications, users must select the right pin count. For sensors and power applications, 3 and 4 pins are required. Profinet and Ethernet use 4 and 8 pin counts. And Fieldbus, CANbus and DeviceNet primarily use 4 and 5 pin counts. Finally, specify 12 pins for signal requirements.

Several styles of coding exist in M12 connectors. This coding prevents incorrect mating on products. In addition, shielding is available in most coded M12 connectors. For example, X-coded connectors are specifically shielded by the design of their coding.

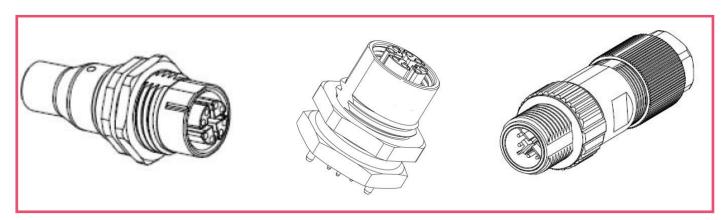
The most common types of coding include:

- A-coded for sensors, dc power and 1 Gbit Ethernet
- B-coded for Profibus
- C-coded for ac power
- D-coded for 100 Mbit Ethernet
- X-coded for 10 Gbit Ethernet (Cat6A Compliant)
- S-coded for ac power (will eventually replace C-coded power parts)
- T-coded for dc power (will eventually replace A-coded power parts)



A-, B-, D- and X-coded are most prevalent. This is because the A-, B- and D-coded connectors have been around for a long time and are some of the original M12 connectors. X-coded connectors are becoming more popular for high-speed industrial Ethernet and will eventually replace the A and D-coded parts for Ethernet applications.

Ask us for assembled cables





Industrial Networking Solutions

Compatible with MOXA, Hirschmann, & many other leading brands



Railway



Resource & Energy





Oil & Gas



Power Station



Solar Power

Wind Power



· Industrial Ethernet Switch

- Rack-Mount (Non-PoE)
- DIN-Rail Gigabit (DIN-Rail / Wall-Mount, Non-PoE)
- DIN-Rail Fast (DIN-Rail / Wall-Mount, Non-PoE) - PoE (Rack-Mount / DIN-Rail / Wall-Mount)
- IP-67
- PCI/PCIe-Card
- EN50155
- Optical & PoE Network Accessories



Traffic Monitoring

· Industrial Media Converter

- Rack-Mount Ethernet-To-Fiber
- DIN-Rail Ethernet-To-Fiber (DIN-Rail / Wall-Mount) - PoE Ethernet-To-Fiber (DIN-Rail / Wall-Mount)

- USB-To-Serial
- Serial-To-Serial

Industrial Serial Products

- Rack-Mount Serial Device Server
- Serial Device Server - EN50155 Device Server
- Wireless Serial Device Server
- Serial USB Converters
- Serial Media Converters

Manufacturing Automation

· Industrial Wireless Access Point

- WLAN Access Point (DIN-Rail)
- WLANIP-67 Access Point
- EN50155 WLAN Access Point

· Industrial Cellular VPN Router

- 3.5G Cellular VPN Router
- 3.5G WLAN Cellular VPN Router
- EN50155 3.5G WLAN Cellular VPN Router
- 4G LTE Cellular VPN Router
- 4G LTE WLAN Cellular VPN Router
- EN50155 4G LTE WLAN Cellular VPN Router

Accessories

- RF Antenna, RF/ Optical Fiber Patch Cord/ M-Series Cables, Power Supplies
- Gigabit / Fast Ethernet SFP/ BIDI-SFP modules

· Management Utility/Controller

- Open-Vision v3.6

· Industrial M2M Gateway

Din-Rail M2M Gateway

Industrial IOT Product

- Wireless Remote I/O (ORIO)
- Smart Meter (ORGate)
- Street Light Controller (Zigbee/LoRa/NB-IoT/CMS 1.0)

ORing Cloud

- ORing PaaS Products
- ORing SaaS Product



IP Surveillance



Building Automation



AV Cables & Adaptors HDMI



This High Speed HDMI cable with Ethernet is used to connect a computer, Blu-ray, DVD, set top box, media player, games console or AV receiver to an HD TV, monitor or projector equipped with an HDMI input.

As HDMI standards continue to evolve and push the boundaries of the HD experience, this cable supports all the latest HDMI 2.0 specifications including 4K Ultra HD Displays ensuring you get the most out of your AV investment.

Features

- Supports HDMI 2.0 and HDMI 1.4
- Supports all the latest 4K Ultra HD TV's with resolution up to 3840 x 2160 (2160p)
- 24k gold plated corrosion resistant connectors for maximum conductivity and low signal loss
- Triple shielding reduces interference, noise and distortion
- High grade oxygen-free 30AWG copper wire
- 3D Support defines protocols for major 3D video formats, paving the way for true 3D gaming and 3D home theatre applications
- HDMI Ethernet Channel allows users to take full advantage of IP-enabled devices without a separate Ethernet cable
- Audio Support for 32 channel digital audio and lossless compressed digital audio formats Dolby TrueHD & DTS-HD Master Audio
- Up to 1536kHz audio sample frequency for the highest audio fidelity
- 4K Support enables video resolutions up to 3840 x 2160 which is 4 times the clarity existing 1080p displays
- Supports maximum bandwidth up to 18Gbps
- · Audio Return Channel allows an HDMI host to send audio data upstream, eliminating the need for a separate audio cable
- Additional Colour Spaces for additional colour models used in digital photography and computer graphics

3.5mm Stereo



Features

- Connect an iPod, iPhone, iPad, MP3 or other portable device to a car stereo or portable speakers
- 2 x 3.5mm stereo male connectors
- Fully moulded connectors for added durability
- Ideal for use with an iPod, iPhone, iPad, MP3 or any device with a 3.5mm headphone jack
- Lifetime warranty



AV Cables & Adaptors Mini Display Port



The Mini DisplayPort to DisplayPort cable lets you connect a DisplayPort monitor or projector to a Mac or Ultrabook equipped with a Mini DisplayPort connector. Being a fully digital cable, there is no loss of signal so you can enjoy pure, crisp digital video at its best

Features

- Suitable for all current models of MacBook, MacBook Pro, MacBook Air, iMac, Mac mini and Mac Pro
- Will work with Mini DisplayPort or Thunderbolt ports on Apple equipment
- Suitable for Ultrabooks equipped with a Mini DisplayPort connector
- 1 x 20 Pin Mini DisplayPort Male
- 1 x 20 Pin DisplayPort Male
- Use an external display in either extended desktop mode or mirrored desktop mode
- Supports resolutions up to 2560 x 1600
- Corrosion-resistant connectors designed for maximum conductivity and low signal loss

Display Port



DisplayPort is a new-generation technology that delivers high bandwidth, pure digital audio and video signals from your PC to your display. All our DisplayPort cables are manufactured using high quality componentry for maximum signal transfer and corrosion resistance, along with high-density, triple-layer shielding for excellent interference rejection.

Features

- 20 Pin DisplayPort Male to 20 Pin DisplayPort Male
- Triple shielding reduces interference, noise and distortion
- Improved signal transfer with high grade oxygen-free 28AWG copper wire
- Corrosion-resistant connectors designed for maximum conductivity and low signal loss
- Supports DisplayPort version 1.2
- Supports DRM protection for both DPCP and HDCP
- Supports maximum bandwidth up to 21.6Gbps
- Supports resolutions up to 3840 x 2160 @ 60Hz



AV Cables & Adaptors USB 2.0



USB2.0 A male to A female



USB2.0 A male to B male



USB2.0 A male to Mini B male



USB2.0 A male to Micro B male

The USB2-AA-01 is a type A male to type A female USB 2.0 extension cable rated up to 480Mbps.

It is used to extend the distance between your USB 2.0 peripheral (mouse keyboard etc.) that is equipped with a type A male connector and your host computer or USB 2.0 hub.

It will also work with all USB 1.1 applications

The USB2-AB-02 is a type A male to type B male USB 2.0 peripheral cable rated up to 480Mbps.

It is used to connect your USB 2.0 peripheral (printer scanner etc) that is equipped with a type B female connector to your host computer or USB 2.0 hub.

It will also work with all USB 1.1 applications

The Mini USB port is commonly found on GPS units, digital cameras, portable hard disk drives, PDAs and other portable USB devices. This high-speed USB 2.0 cable is used to transfer data and charge your portable USB device from PC or laptop.

The Micro USB port is commonly found on smart phones, Android devices and other portable USB devices. This high-speed USB 2.0 cable is used to transfer data and charge your portable USB device from PC or laptop

Features

- Fully moulded cable
- Aluminium foil shield
- Overall braided shield
- Data transfer rate up to 480Mbps
- Compatible with USB 1.1
- Lifetime warranty



AV Cables & Adaptors USB 3.0 SuperSpeed



USB3.0 A male to A female

Designed for the next generation USB 3.0 Super-Speed USB devices with data transfer rates up to 10 times faster than USB 2.0.

This cable is used to extend the distance of your existing USB 3.0 cable or USB 2.0 cable



USB3.0 A male to B male

Designed for the next generation USB 3.0 SuperSpeed USB devices with data transfer rates up to 10 times faster than USB 2.0.

This cable is used to connect USB 3.0 devices (External HDD's, Optical Drives, Camcorders, Printers, Scanners etc) that are equipped with the new 9 pin USB 3.0 type B female connector to your host computer.

USB 3.0 Type A male will fit into a USB 2.0 port on a host computer or USB hub



USB3.0 A male to Micro B male

Designed for the next generation USB 3.0 SuperSpeed USB devices with data transfer rates up to 10 times faster than USB 2.0.

This cable is used to connect USB 3.0 devices (External HDD's, Optical Drives, Camcorders, etc) that are equipped with the new 10 pin USB 3.0 Micro B female connector to your host computer

Features

- Fully moulded cable
- Foil shielded twisted pair cable
- Overall braided shield
- Data transfer rate up to 4.8Gbps
- Backward compatible with USB 2.0
- Lifetime warranty



AV Cables & Adaptors VGA



This slim and flexible VGA cable is typically used to connect the VGA port on your computer directly to the VGA port on a monitor.

Using individual coaxial cables for each video signal this premium quality VGA cable ensures optimum picture quality.

Features

- Connect a VGA monitor to your computer
- HD15 Pin Male to HD15 Pin Male
- Supports resolutions up to 1920 x 1200
- Super Slim diameter of only 5.0mm for added flexibility to fit into tight places
- Ferrite core on both ends to minimise EMI/RFI
- Tri-coaxial, triple shielding reduces interference, noise and distortion
- Improved signal transfer with high grade oxygen-free copper wire
- Fully moulded cable for added durability
- Lifetime warranty

DVI



This DVI-D Dual Link cable is used to connect your DVI computer to your DVI monitor, projector or HDTV. The purely digital DVI format provides high speed digital video transmission to ensure pixel perfect crisp video reproduction without any ghosting or loss of quality.

This cable supports both Dual Link and Single Link DVI formats and supports video resolutions up to 2560 x 1600.

Features

- Connect your DVI computer to a DVI monitor, projector or HDTV
- 24+1 Pin DVI-D Dual Link Male to 24+1 Pin DVI-D Dual Link Male
- High speed digital transmission rate up to 9.9Gbps
- Supports resolutions up to 2560 x 1600
- Supports both Dual Link DVI and Single Link DVI formats
- 28AWG high purity oxygen free copper conductors
- 24K gold plated connectors for maximum conductivity and low signal loss
- Triple shielding reduces interference, noise and distortion
- Moulded connectors provide maximum strain relief for enhanced durability
- HDCP compliant (High-band Digital Content Protection)
- RoHS compliant (Restriction of Hazardous Substances)
- Lifetime Warranty



Project Sourcing









With a history over 30 years of international sourcing, we are able to help you with a broad range of products to help you with project requirements.

Products that we can access include:

Custom Cable Assemblies

Custom Metal Products

Plastic Moulding Solutions

IP Rated Cabinets

Bulk cable—Fibre

Bulk cable—Control

Bulk cable—Copper Ethernet

Bulk cable- Coax

Data Centre Monitoring & Control Systems

UPS Solutions

Connectors for general electronics

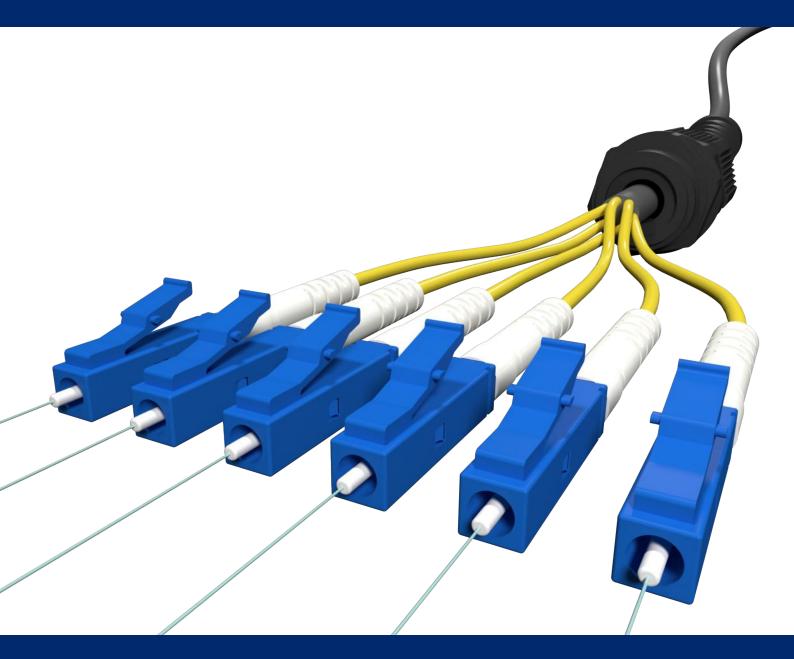
Ethernet Networking products

If it's not on this list, just ask we can soon tell you if we can help





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