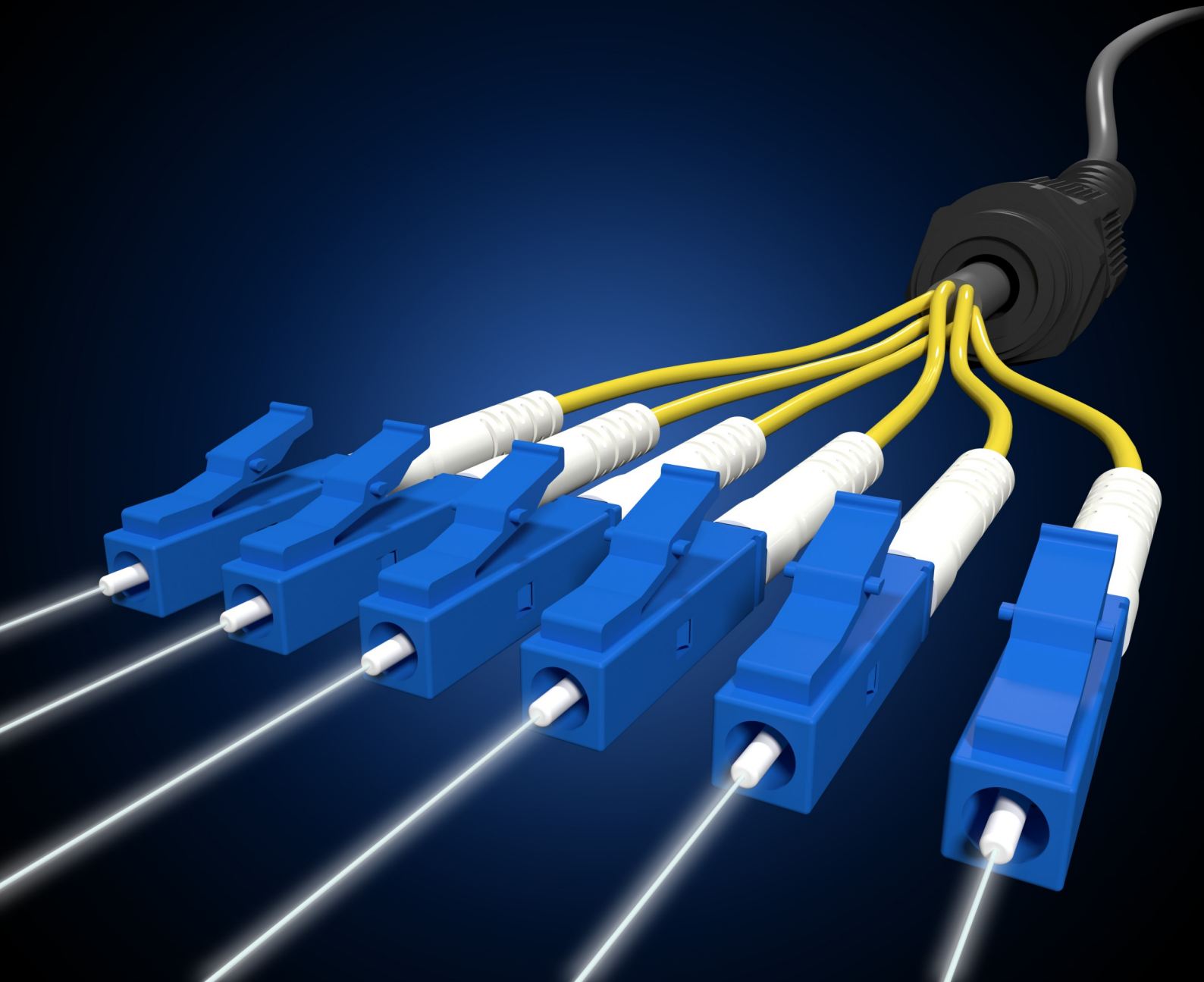


2019 Product Catalogue

Fibre Optic Cabling Solutions Sub-Catalogue



Optical Fibre MTP & MPO Solutions



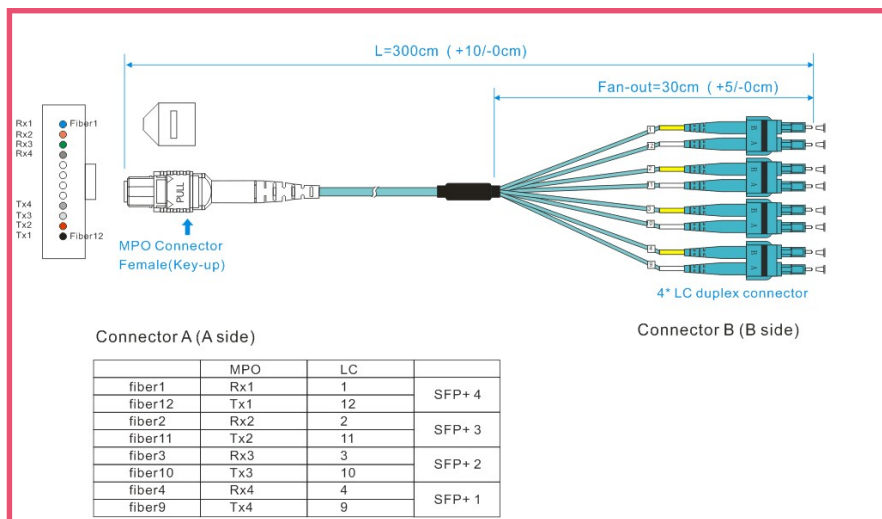
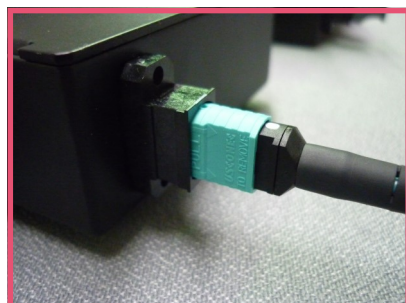
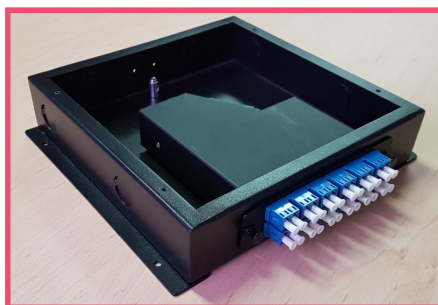
Multi Fibre Solution incorporates both industry standard MPO (Multiple-Fiber Push-On/Pull-off) connectors and the Patented Lower Loss MTP® (USConec) Connector. These are available in SM & MM and are a ribbon fibre connector.

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.



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Cables, Connectors & More

Optical Fibre Pre-terminated Trunk Cables



Pre-term Fibre Assemblies that are:

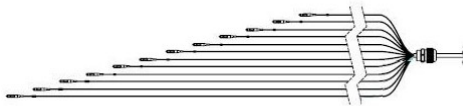
- 100% Factory tested
- Fast turnaround
- Cost Effective
- Plug & Play
- Configurable to customer specification

Standard options include:

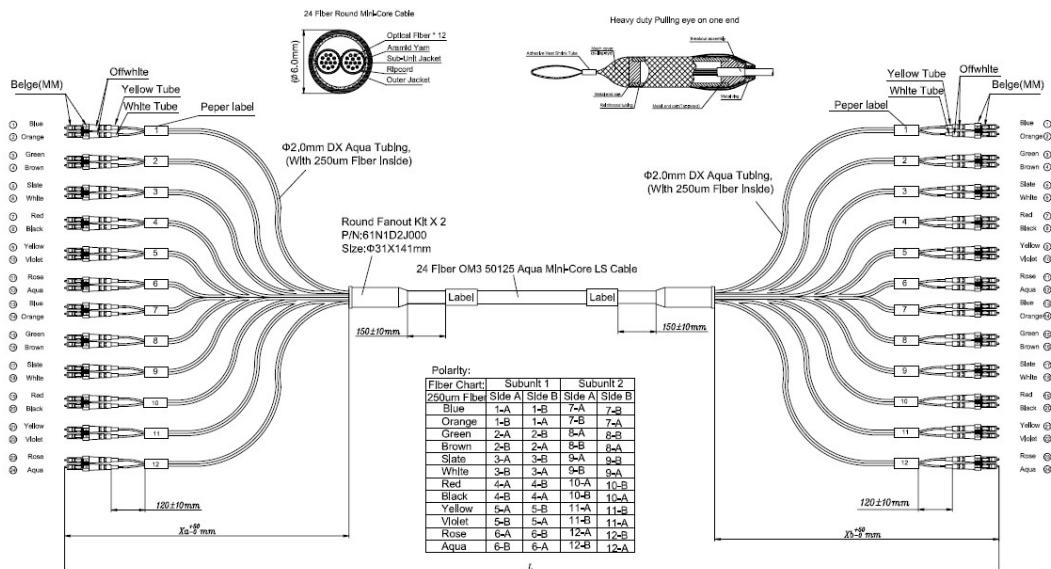
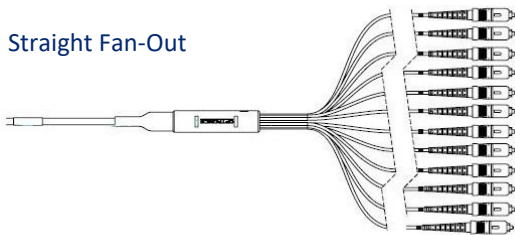
- 6/12/24 core
- OM3/OM4/Single Mode
- Indoor/Outdoor Riser
- LC/SC/ST/SCA/LCA
- Pulling sock
- Fan-Out length
- Staggered or straight Fan-Out
- Labelling

Other connectors / cable types available on request.

Staggered Fan-Out



Straight Fan-Out

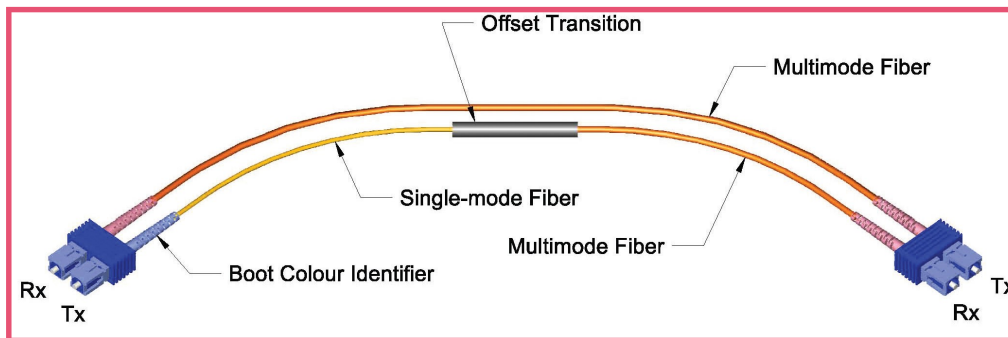


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Optical Fibre

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)

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.

Part Numbers	
MC =	Mode Conditioning Lead
A =	Mode on 1st side of lead
B =	Mode on 2nd side of lead
Z =	Connector on 1st side
X =	Connector on 2nd side
1 =	Length
E.G. = MC1/SCL1 = (OM1 - OS1, SC - LC, 1mt Lead)	

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 Cables, Connectors & More

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

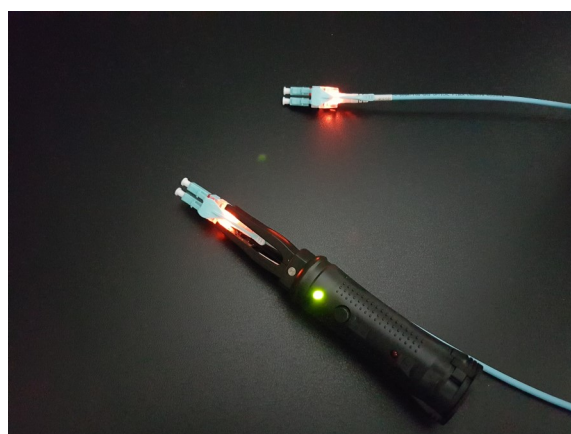
Description:

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

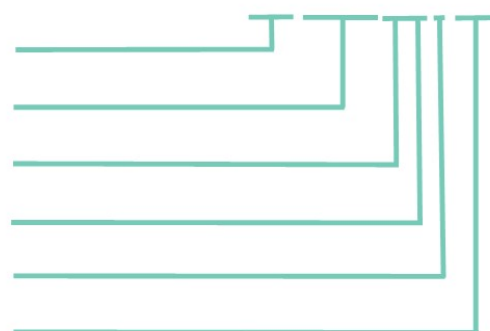
Fits with industry standard patch panels, network switches & Interface equipment



Part Number Breakdown

Product Series	Lite Trace
Cable mode OM1 / OM3 / OM4 / OS2	OM4
Connector Types :	LC
L=LC/LA=LCA/C=SC/CA=SCA/T=ST/F=FC/M=MTP	LC
Cable Length in metres	1 metre
Sheath Colour	Aqua

LTOM4LL1AQ



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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 Splitter
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	

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