

ModLink MTP PRO Advanced Fiber Optic Cables >

Molex Plug and Play Advanced Fiber Optic Systems offer premium factory-controlled optical performance, enable flexible system configuration and fast, economical installation.

ModLink is ideal for mission critical applications such as Data Centers and Storage Area Networks, applications where fast installation is paramount, and environments where moves adds and changes are frequent or managed in-house.

The MTP PRO connector offers quick and effective polarity and pin reconfiguration in the field while ensuring product integrity and performance.



FEATURES AND ADVANTAGES

Round, flexible outer jacket is easy to bend, route and install

Available in Plenum (OFNP), Riser (OFNR) and LS0H constructions

Industry-leading low insertion loss (0.35dB maximum insertion loss for laser optimized OM3/OM4/OM5 cables and OS1/2 cables, 0.10dB typical)

Cables available in 8 and 12 fiber constructions

ModLink Advanced Fiber Optic Cables are 100% tested

Polarity and pin reconfiguration in the field

Pulling eyes installed which above 30 meters to protect the assembly during installation

Part number generator is available on Molex Customer Support Portal: csp.molex.com

www.molex.com/products/fiber/pre-terminated/

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SPECIFICATIONS

Reference information

Commercial Standards:

International: ISO/IEC 11801
North American: ANSI/TIA-568.3-D

Applications

ModLink systems are designed to support a variety of high-speed network topologies including:

IEEE 802.3 40GBase&100GBase, 40GBidi
IEEE 802.3 10GBase-SR/SW 10Gbps
IEEE 802.3 10Gbase-LX4 10Gbps
Fiber Channel 400-M5-SN-1 4Gbps
Fiber Channel 1200-M5E-SN1 10Gbps
Fiber Channel FC-PH 1Gbps
IEEE 802.3 1000Base-SX/LX 1Gbps
FDDI 100Mbps
IEEE 802.3 FOIRL 10Mbps
IEEE 802.3 10Base-F 10Mbps
ATM 155 Mbps, 622 Mbps, 1.2 Gbps, 2.4 Gbps

Mechanical

Durability: 200 Cycles

Guide Pin Retention: 3 lbs

Nominal Outside Diameter:
3.0 mm

Cable Weight: 19 kg/km (12.8 lb/kft)

Minimum Bend Radius:

Install: 2.5 in (6.35cm)
Long Term: 1.25 in (3.18cm)

Maximum Long Term Tensile Load:

90 lbf (440 N)

Operating Temp:

-0° to 70°C (32°F to 158°F)

Storage Temp:

-40° to 70°C (-40°F to 158°F)

Installation Temp:

-0° to 70°C (32°F to 158°F)

Jacket Colors

Multimode OM3: Aqua
Multimode OM4: Erika Violet/Aqua
Multimode OM5: Lime green
G.657A2: Yellow

Electrical/Optical:

Maximum Insertion Loss:

OM3,OM4,OM5 Low Loss: 0.35dB
G.657A2 Low Loss Construction: 0.35 dB

Return Loss:

G.657A2 Low Loss Construction: >60dB
Multimode Low loss Construction:>20dB

Polishing:

G.657A2: APC
Multimode: PC

Attenuation:

Multimode OM3, OM4:
3.5dB@850nm
1.5dB@1300nm
Singlemode OS1a/2:
0.38 @1310nm
0.22 @1550nm
Multimode OM5:
3.0dB@850nm
2.3dB@953nm
1.5dB@1300nm
Singlemode G.657A2:
0.38dB@1310nm
0.22dB@1550nm
1.5dB@1300nm

Fiber Specification		
Fiber Type	ISO Classification	Bandwidth (MHz/km)
50/125µm**	OM3	2000/500
50/125µm**	OM4	4700/500
50/125µm**	OM5	4700/2470/500
Singlemode	G.657A2	N/A

*Measured via Overfilled Launch per TIA/EIA-455-204

**850nm measured via Effective Modal Bandwidth measured via Differential Mode Delay as specified in EIA/TIA-455-220

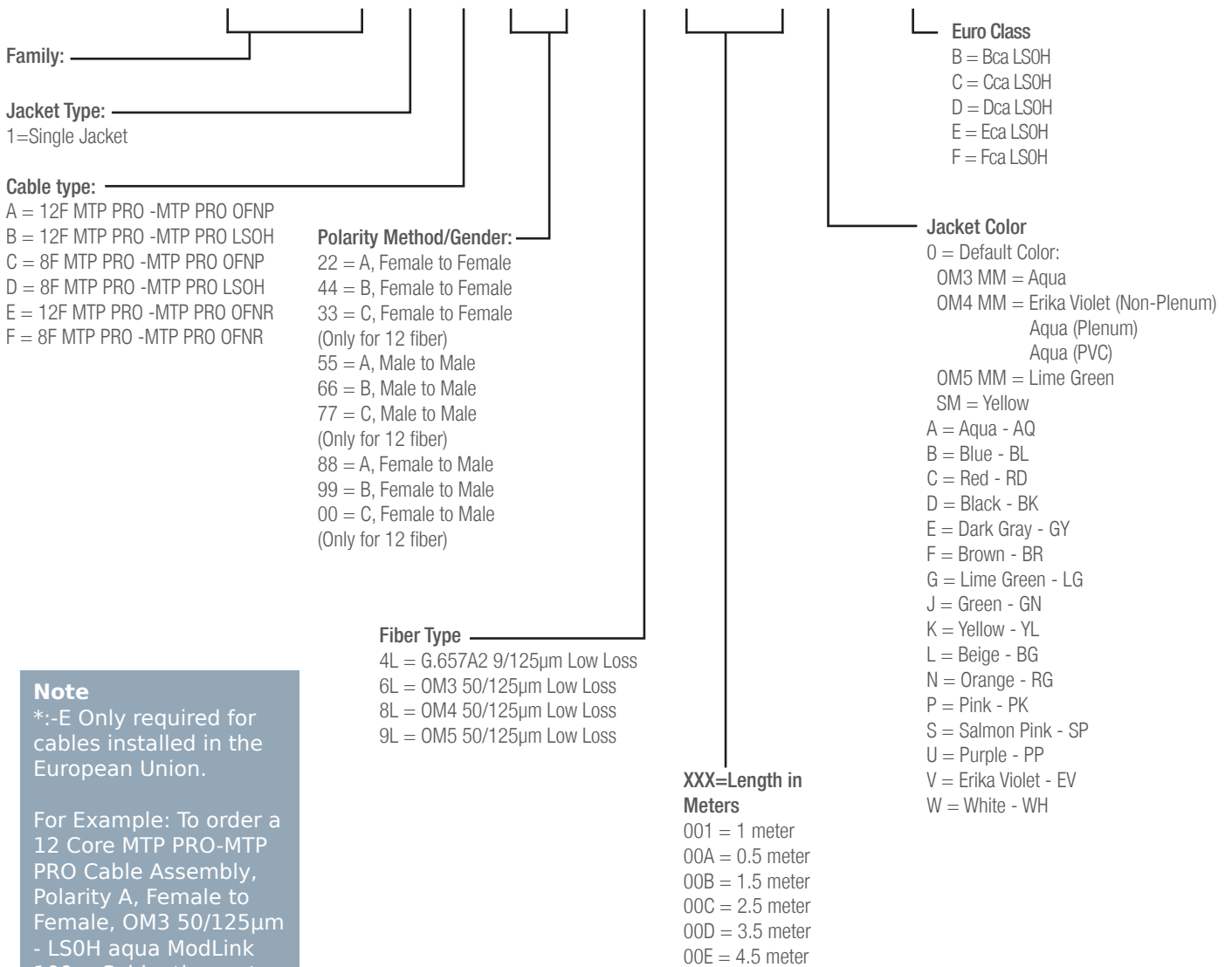
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ORDERING INFORMATION

Part No. Matrix - Substitute the correct code number or letter to determine the assembly instruction

9 1 - X A A B B - Y L L L C - E *



Note
*:-E Only required for cables installed in the European Union.

For Example: To order a 12 Core MTP PRO-MTP PRO Cable Assembly, Polarity A, Female to Female, OM3 50/125µm - LSOH aqua ModLink 100m Cable, the part number would be 91-X1B22-6L1000

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