

96F MTP 40G OM4 50/125µm Multimode Trunk Cable, Polarity A Plenum OFNP Female To Female.

Pre-connector MTP Trunk Cable Assemblies are made up of 12, 24, 48, 72, 96 fibre LSZH jacketed micro cables terminated at both ends with MTP Connectors (without pins). These are used as backbone or horizontal cable interconnections. These plug and play solutions with micro core cable maximize bend radius and minimize cable weight and size.

MTP Trunk Cable are factory pre-terminated, tested and packed along with the test reports. These assemblies are available in OM3, OM4 and SM fibre. Standard lengths of 5, 10, 25 meters are available. Custom lengths are also available on request. The MTP Trunk cables are packed as coils in lengths up to 50m long and on reels.



FEATURES

- Ultra-low loss connector performance
- Suitable for routing in trays, racks and under raised floors
- High Performance.
- Precise dimension.
- 100 % in-house tested.
- Customized furcation length to cater for different installation situations
- Support higher speed Ethernet and Fibre Channel applications (OM3, OM4 and SM fibres)

Applications

- Data Centre Infrastructure
- Storage Area Network-Fibre Channel
- Emerging 40 & 100Gps Protocols

General Specification

Polarity	A (standard). B and C available
Fibre Type	OM4 (50 / 125)
Fibre Capacity	96
Glass Fibre	Corning Clearcurve®

Fibre Construction	Dry loose tube micro cable LSZH
End 1	8*MTP® ELITE 12 Fibre Connector
End 2	8*MTP® ELITE 12 Fibre Connector
Insertion Loss across cable	< 0.35 dB + cable loss

MPO (MTP) OM4 12 fibre Connector

Connector Housing	Aqua
Ferrule	MT ELITE
Typical Insertion Loss	0.10 dB (average)
Maximum Insertion Loss	0.35 dB (Max)

48 Core Physical Specification

Weight kg/Km	56
Outer Diameter	13.5mm
Sheath Wall Thickness	0.48mm
Maximum pull force	1000 N
Transport and storage	-25 °C to + 70 °C
Installation	-5 °C to + 50 °C
Installed	-10 °C to + 70 °C
Minimum Bend Radius (installed)	10 x outside diameter
Minimum Bend Radius (installation)	20 x outside diameter
Maximum Crush Resistant (short term/long term)	660 / 200 N/dm
Jacket Colour	Aqua

96 Core Construction

Design	96* 250um fibres with aramid yarn strain relief
Construction	Within 8 x 12f single sheath sub-units
Sheath Properties	Dry Loose Tube (no gel)
Application	LSZH- Halogen free, flame retardant Indoor, cable trays and ducting

Fire Performance

Flame Retardancy acc.	IEC 60332-1-2 and IEC 60332-3-22 Cat. A
Smoke Density acc.	IEC 61034
Halogen-free acc.	IEC 60754-1
Acidity of Combustion Gases acc.	IEC 60754-2

Cable Design

Optical Core	50µm +/- 2.5µm diameter
Optical Cladding	125µm +/- 1µm diameter
Primary Acrylate Coating	242µm +/- 5µm diameter
Core Concentricity	1.5µm
Core Concentricity Error	<5%

Optical Performance

Attenuation Coefficient dB/Km (installed)	850nm ≤ 2.5 Max
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Attenuation Coefficient dB/Km (un-installed)	1300nm ≤0.7 Max 850nm ≤ 2.3 Max 1300nm ≤0.6 Max
Overfill Launch Minimum Bandwidth Mhz x Km	850nm ≥ 3500 1300nm ≥ 500
Laser Effective Modal Minimum Bandwidth Mhz x Km	850nm ≥ 4700

Cable Standards

TIA/EIA-568-C.3 and ISO/IEC 11801

Connector Standard

MPO: IEC-61754-7, EIA/TIA-604-5

Compliant to Directive 2002/95/EC (RoHS) and REACH.

Ordering Information

PN	Description
FF496XXX	96F MTP 40G OM4 50/125µm Multimode Trunk Cable, Polarity A Plenum OFNP Female To Female

For length substitute XXX for length in Meter. Minimum length is 3Mt. Maximum length is 500Mt.