

## 48F MTP 40G OM4 50/125µm Multimode Trunk Cable, Polarity A Plenum OFNP Female To Female.

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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.
- 100 % in-house tested.
- Customized furcation length to cater for different installation situations
- Support higher speed Ethernet and Fibre Channel applications OM4 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	48
Glass Fibre	Corning Clearcurve®
Fibre Construction	Dry loose tube micro cable LSZH
End 1	4*MTP® ELITE 12 Fibre Connector
End 2	4*MTP® ELITE 12 Fibre Connector

## 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	42
Outer Diameter	10mm
Sheath Wall Thickness	0.48mm
Maximum pull force	300 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

## 48 Core Construction

Design	48* 250um fibres with aramid yarn strain relief Within 4 x 12f single sheath sub-units
Construction	Dry Loose Tube (no gel)
Sheath Properties	LSZH- Halogen free, flame retardant
Application	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 1300nm ≤ 0.7 Max
Attenuation Coefficient dB/Km (un-installed)	850nm ≤ 2.3 Max 1300nm ≤ 0.6 Max

