VOYGAR
QUALITY IS OUR CONCERN

48F MTP 40G OM3 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.
100 % in-house tested.
Customized furcation length to cater for different installation situations
Support higher speed Ethernet and Fibre Channel applications (OM3 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	OM3 (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
Insertion Loss across cable	< 0.35 dB + cable loss

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MPO (MTP) OM3 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	48
Outer Diameter	10mm
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

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 Claddinng	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

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Overfill Launch Minimum Bandwidth Mhz x Km	850nm ≥ 1500 1300nm ≥ 500
Laser Effective Modal Minimum Bandwidth Mhz x Km	850nm ≥ 2000

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
FF348XXX	48F MTP 40G OM3 50/125µm Multimode Trunk Cable, Polarity A Plenum OFNP Female To Female

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