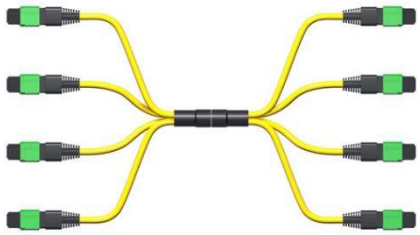
VOYGAR
QUALITY IS OUR CONCERN

48F MTP 40G Single Mode 9/125µm 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 (SM fibres)

ASSOCIATED STANDARDS

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

General Specification

Polarity	A (standard). B and C available
Fibre Type	Single mode OS2 (9/125)
Fibre Capacity	48
Glass Fibre	Corning Clearcurve®
Fibre Construction	Dry loose tube micro cable LSZH
End 1	2*MTP® ELITE 12 Fibre Connector
End 2	2*MTP® ELITE 12 Fibre Connector

MPO (MTP) Single mode (OS2) 12 fibre Connector

Connector Housing	Black
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
Cable Diameter	10mm
Sheath Wall Thickness	0.55mm
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	300 N/dm
Jacket Colour	Yellow

12 Core Construction

Design	48* 250um fibres with aramid yarn strain relief Within 2 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	9.2µm +/- 0.4µm diameter
Optical Claddinng	125µm +/- 0.7µm diameter
Primary Acrylate Coating	242µm +/- 10 to 15µm diameter
Core Concentricity	0.5µm
Core Concentricity Error	<5%

Optical Performance

Attenuation Coefficient dB/Km (installed)	1310nm ≤ 0.36 Max 1550nm ≤0.22 Max
Attenuation Coefficient dB/Km (un-installed)	1310nm ≤ 0.36 Max 1550nm ≤0.22 Max 1625nm ≤ 0.20 Max

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Overfill Launch Minimum Bandwidth Mhz x Km	850nm ≥ 3500 1300nm ≥ 500

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
FFS48XXX	48F MTP 40G Single Mode 9/125µm 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.