VOYGAR
QUALITY IS OUR CONCERN

12F 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 OM4 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	OM4 (50 / 125)
Fibre Capacity	12
Glass Fibre	Corning Clearcurve®
Fibre Construction	Dry loose tube micro cable LSZH
End 1	1*MTP® ELITE 12 Fibre Connector
End 2	1*MTP® ELITE 12 Fibre Connector

MPO (MTP) OM4 12 fiber Connector

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

12 Core Physical Specification

Weight kg/Km	23
Cable Diameter	4.5mm
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)	15 x outside diameter
Maximum Crush Resistant	300 N/dm
Jacket Colour	Aqua

12 Core Construction

Design	12* 250um fibres with aramid yarn strain relief Within 1 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

Stresemannstraße 23
10963 Berlin
Tel. 030 65774162
Fax. 030 700143-1359
E-mail: info@voygar.de
www.voygar.com

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
FF412XXX	12F 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 3 Mt. Maximum length is 500Mt.