



FONF-FF12S-XXXM

Fiber Optic Cable Assembly, 2 x MTP12/APC Female to 2 x MTP12/APC Female, LSZH, Indoor -CPR

2.2-2 fonf-ff12s-xxxm-01 pic1.jpg

fiber only cable assembly, 24 singlemode fibers, pre-terminated with 2x MTP12 female connectors on both ends of this LSZH, fire rated to Eca indoor cable sheath meeting flame retardant IEC 61304, IEC60754-A, IEC60332--3C for indoor use. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play"

Features / Benefits

- High precision MTP/APC fiber connector provides low insertion loss, high return loss, excellent stability and durability
- Available in a range of standard or customized lengths to simplify network design
- MTP connectors are terminated and fully tested in controlled conditions to ensure optimum performance and reliability
- Mechanical branching system ensures full strain relief
- RFS' "Plug and Play" solution simplifies network design, minimizes installation/testing time and the necessary on site skills

Fiber Optic, No Armour, Flame retardant Jacket, MTP Female, MTP Female ,12-pairs Singlemode, XXX Meters (01) 2 *MTP(12 cores) connector on both sides

Technical Features

STRUCTURE

Cable Type	24 single mode fibers (G657A2), LSZH jacket, yellow
Cable Diameter mm (in)	3mm (0.118in)
Jacket Material	CPR rated Eca class LSZH, Flame retardant: IEC 61304 (min smoke emission), IEC 60754-1 Halogen Free, IEC 60332-3 (Reduced Fire Propagation)
Number of Fiber	24

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	5mm (0.197in)
Minimum Single Bending Radius	50mm (1.969in)
Minimum Multi Bending Radius	100mm (3.937in)
Tensile Strength (Operating)	130 N
Tensile Strength (Installation)	440 N
Crush Resistance (Operating)	300 N / 10 cm
Cable Diameter mm (in)	3mm (0.118in)
Crush Resistance (Installation)	1000 N / 10 cm

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OPTICAL SPECIFICATIONS

F/O Cable Type	Loose-tube, Single Mode
Core/Clad	9 / 125
F/O Cable Jacket	Eca fire rated for indoor use LSZH sheath material
Fiber Termination End 1	2 x MTP/APC female, single mode, yellow housing, IEC 61754-7
Fiber Termination End 2	2 x MTP/APC female, single mode, yellow housing, IEC 61754-7
Fiber Attenuation	$\leq 0.36\text{dB/km}$ $\lambda=1310\text{nm}$; $\leq 0.22\text{dB/km}$ $\lambda=1550\text{nm}$ dB/km
Connector Insertion Loss	MTP(SM): Max. 0.35 dB @ 1310&1550nm/ IEC 61300-3-4 Method B
Connector Return Loss	MTP(SM): Min. 60 dB @ 1310&1550nm / IEC 61300-3-6

ENVIRONMENTAL

Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Operation Temperature	-20°C to 60°C (-4°F to 140°F)
Installation Temperature	-10°C to 55°C (14°F to 131°F)

VARIATION INFORMATION

Model Number	FONF-FF12S-010M	FONF-FF12S-050M	FONF-FF12S-070M
Length	10m (32.808ft)	50m (164.042ft)	70m (229.659ft)

Model Number	FONF-FF12S-100M	FONF-FF12S-150M	FONF-FF12S-200M
Length	100m (328.084ft)	150m (492.126ft)	200m (656.168ft)

TESTING

Fire Performance	CPR rated Eca class LSZH, Flame retardant: IEC 61304 (min smoke emission), IEC 60754-1 Halogen Free, IEC 60332-3 (Reduced Fire Propagation)
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