



FONF-FF12S-XXXM-01

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



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"

Feature / 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
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
Crush Resistance (Installation)	1000 N / 10 cm

CABLE JACKET

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)
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F/O CABLE SPECIFICATIONS

F/O Cable Type	Loose-tube, Single Mode
Core/Clad	9 /125
Cable Diameter mm (in)	3mm (0.118in)
F/O Cable Jacket	Eca fire rated for indoor use LSZH sheath material
F/O Standards (Meets or Exceeds)	G657A2
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	≤ 0.36dB/km λ=1310nm ; ≤0.22dB/km λ =1550nm 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)

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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ORDERING INFORMATION

Length	ModelNumber
>30 m	1 PC drum
<30 m	1 Pc in a bag



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ADDITIONAL ASSEMBLIES

Length	Model Name
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10 m	FONF-FF12S-010M-01
20 m	FONF-FF12S-020M-01
30 m	FONF-FF12S-030M-01
40 m	FONF-FF12S-040M-01
50 m	FONF-FF12S-050M-01
60 m	FONF-FF12S-060M-01
70 m	FONF-FF12S-070M-01
80 m	FONF-FF12S-080M-01
90 m	FONF-FF12S-090M-01
100 m	FONF-FF12S-100M-01
110 m	FONF-FF12S-110M-01
120 m	FONF-FF12S-120M-01
130 m	FONF-FF12S-130M-01
140 m	FONF-FF12S-140M-01
150 m	FONF-FF12S-150M-01
160 m	FONF-FF12S-160M-01
170 m	FONF-FF12S-170M-01
180 m	FONF-FF12S-180M-01
190 m	FONF-FF12S-190M-01
200 m	FONF-FF12S-200M-01

Related Documents

 **Product image**
Web Link

 **Cable Structure**
Web Link