



HYBRIFLEX fiber only cable assembly, 24 single mode fibers, pre-terminated with 2x MTP12 female connectors on both ends of this LSZH, indoor cable. Optimized for Radio over Fiber (RoF) applications, for use within the RFS Technologies "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



Technical features

STRUCTURE

Cable Type		24 single mode fibers (G657A2), LSZH jacket, yellow
Number of Fiber		24

MECHANICAL SPECIFICATIONS

Minimum Bending Radius, (Operating)	mm (in)	50 (1.969)
Minimum Bending Radius, (Installation)	mm (in)	100 (3.937)
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		LSZH
Outer Diameter Nominal	mm (in)	5 (0.197)

F/O CABLE SPECIFICATIONS

F/O Cable Type		Loose-tube, Single Mode
Core/Clad	µm	9 /125
Cable Diameter mm (in)		3 (0.118)
F/O Cable Jacket		LSZH
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
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



FONF-FF12S-XXXM-01

HYBRIFLEX® Fiber Optic Cable Assembly, 2 x MTP12/APC Female to 2 x MTP12/APC Female, LSZH, Indoor

TESTING AND ENVIRONMENTAL

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

ORDERING INFORMATION

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

ADDITIONAL ASSEMBLIES

Length	Model Name
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

External Document Links

Notes



FONF-FF12S-XXXM-01

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