



HYBRIFLEX fiber only cable assembly, 12 single mode fibers, pre-terminated with an MTP12 female connector on both ends of this LSZH, indoor cable. Optimized for Radio over Fiber (RoF) applications, for use within the RFS Technologies "Plug and Play" RoF solution.

**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
- RFS' "Plug and Play" solution simplifies network design, minimizes installation/testing time and the necessary on site skills



**Technical features**

**STRUCTURE**

<b>Cable Type</b>		12 single mode fibers (G657A2),LSZH jacket, yellow
<b>Number of Fiber</b>		12

**MECHANICAL SPECIFICATIONS**

<b>Minimum Bending Radius, (Operating)</b>	mm (in)	45 (1.772)
<b>Minimum Bending Radius, (Installation)</b>	mm (in)	90 (3.543)
<b>Tensile Strength (Operating)</b>		130 N
<b>Tensile Strength (Installation)</b>		440 N
<b>Crush Resistance (Operating)</b>		300 N / 10 cm
<b>Crush Resistance (Installation)</b>		1000 N / 10 cm

**CABLE JACKET**

<b>Jacket Material</b>		LSZH
<b>Outer Diameter Nominal</b>	mm (in)	4.5 (0.177)

**F/O CABLE SPECIFICATIONS**

<b>F/O Cable Type</b>		Loose-tube, Single Mode
<b>Core/Clad</b>	µm	9 /125
<b>F/O Cable Jacket</b>		LSZH
<b>F/O Standards (Meets or Exceeds)</b>		G657A2
<b>Fiber Termination End 1</b>		MTP/APC female, single mode, yellow housing, IEC 61754-7
<b>Fiber Termination End 2</b>		MTP/APC female, single mode, yellow housing, IEC 61754-7
<b>Fiber Attenuation</b>		≤ 0.36dB/km λ=1310nm ; ≤0.22dB/km λ =1550nm
<b>Connector Insertion Loss</b>		MTP(SM): Max. 0.35 dB @ 1310&1550nm/ IEC 61300-3-4 Method B
<b>Connector Return Loss</b>		MTP(SM): Min. 60 dB @ 1310&1550nm



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-FF06S-010M
20 m	FONF-FF06S-020M
30 m	FONF-FF06S-030M
40 m	FONF-FF06S-040M
50 m	FONF-FF06S-050M
60 m	FONF-FF06S-060M
70 m	FONF-FF06S-070M
80 m	FONF-FF06S-080M
90 m	FONF-FF06S-090M
100 m	FONF-FF06S-100M
110 m	FONF-FF06S-110M
120 m	FONF-FF06S-120M
130 m	FONF-FF06S-130M
140 m	FONF-FF06S-140M
150 m	FONF-FF06S-150M
160 m	FONF-FF06S-160M
170 m	FONF-FF06S-170M
180 m	FONF-FF06S-180M
190 m	FONF-FF06S-190M
200 m	FONF-FF06S-200M

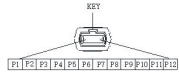
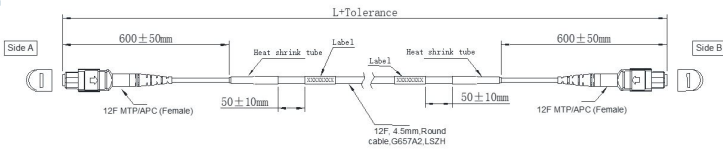
External Document Links

Notes



**FONF-FF06S-XXXM**

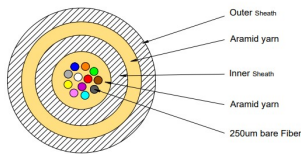
HYBRIFLEX® Fiber Optic Cable Assembly, MTP12/APC Female to MTP12/APC Female, LSZH, indoor



SIDE A MTP position	Fiber color	SIDE B MTP position
P1	Blue	F1
P2	Orange	F2
P3	Green	F3
P4	Brown	F4
P5	Grey	F5
P6	White	F6
P7	Red	F7
P8	Black	F8
P9	Yellow	F9
P10	Purple	F10
P11	Pink	F11
P12	Aqua	F12

Cable diameter  
Sheath Color

Product image  
4.5mm  
Aqua (BI-OM3); Purple (BI-OM4); Yellow (G657A2)



Cable Structure