

**FONF-MU06S-XXXM**

HYBRIFLEX® Fiber Optic Cable Assembly, MTP12/APC Male to 12 x SC/APC, LSZH, Indoor

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HYBRIFLEX fiber only cable assembly, 12 single mode fibers, pre-terminated with an MTP12 male connector on one end and 12 SC/APC connectors on the other end of the LSZH, indoor cable. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF solution.

Features / Benefits

- High precision MTP/APC and SC/APC fiber connectors provide low insertion loss, high return loss, excellent stability and durability
- Mechanical branching system ensures full strain relief
- Customized lengths are available in addition to the 3m standard version
- All connectors are terminated and 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**

Cable Type	12 single mode fibers (G657A2), LSZH jacket, yellow
Jacket Material	LSZH
Number of Fiber	12

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	3mm (0.118in)
Minimum Single Bending Radius	30mm (1.181in)
Minimum Multi Bending Radius	50mm (1.969in)
Tensile Strength (Operating)	30 N
Tensile Strength (Installation)	100 N
Crush Resistance (Operating)	100 N / 10 cm
Crush Resistance (Installation)	500 N / 10 cm

OPTICAL SPECIFICATIONS

Core/Clad	9 /125
F/O Cable Jacket	LSZH
Fiber Termination End 1	MTP/APC male, single mode, yellow housing, IEC 61754-7
Fiber Termination End 2	12 x SC/APC simplex
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 ; SC/APC(SM): Max. 0.30 dB @ 1310&1550nm/ IEC 61300-3-4 Method B
Connector Return Loss	MTP(SM): Min. 60 dB @ 1310&1550nm ; SC/APC(SM): Min. 60 dB @ 1310&1550nm



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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-MU06S-001M	FONF-MU06S-005M	FONF-MU06S-007M	FONF-MU06S-010M	
Length	1m (3.281ft)	5m (16.404ft)	7m (22.966ft)	10m (32.808ft)	