

**FOPC-RU1SS-XXXM**

HYBRIFLEX® Fiber Optic Patch Cord, Simplex, LC/APC to SC/APC, Single Mode, LSZH, Indoor

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HYBRIFLEX fiber only patch cord, simplex single mode fiber, preterminated with LC/APC connector on one end and SC/APC connector on the other of this LSZH, indoor cable. Optimized for Radio over Fiber (RoF) applications, for use within the RFS "Plug and Play" RoF solution.

Features / Benefits

- High precision LC and SC/APC connectors provide low insertion loss, high return loss, excellent stability and durability
- All connectors are terminated and fully tested in controlled conditions to ensure optimum performance and reliability
- Available in a range of standard or customized lengths to simplify network design
- RFS' "Plug and Play" solution simplifies network design, minimizes installation/testing time and the necessary on site skills

Technical Features**STRUCTURE**

Cable Type	single mode fiber (G657A2), LSZH jacket, yellow
Jacket Material	LSZH
Number of Fiber	1

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	2mm (0.079in)
Minimum Single Bending Radius	20mm (0.787in)
Minimum Multi Bending Radius	40mm (1.575in)
Tensile Strength (Operating)	40 N
Tensile Strength (Installation)	80 N
Crush Resistance (Operating)	100 N / 10 cm
Crush Resistance (Installation)	500 N / 10 cm

OPTICAL SPECIFICATIONS

F/O Cable Type	Tight Buffer, Single Mode
Core/Clad	9 / 125
Fiber Termination End 1	LC/APC simplex, single mode, IEC 61754-20
Fiber Termination End 2	SC/APC simplex, single mode, IEC 61754-4
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	LC(APC)SM : Max. 0.30 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	LC/APC(SM): Min. 60 dB @ 1310&1550nm@IEC 61300-3-6 ; SC/APC(SM): Min. 60 dB @ 1310&1550nm@IEC 61300-3-6



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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	-5°C to 50°C (23°F to 122°F)

VARIATION INFORMATION

Model Number	FOPC-RU1SS-001M	FOPC-RU1SS-003M	FOPC-RU1SS-005M	FOPC-RU1SS-007M	FOPC-RU1SS-010M
Length	1m (3.281ft)	3m (9.843ft)	5m (16.404ft)	7m (22.966ft)	10m (32.808ft)