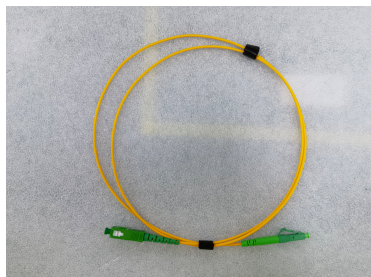


**FOPC-LU1SS-XXXM**

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



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.

**Feature / 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
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

**CABLE JACKET**

Jacket Material	LSZH
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**F/O CABLE SPECIFICATIONS**

F/O Cable Type	Tight Buffer, Single Mode
Core/Clad	9 /125
F/O Standards (Meets or Exceeds)	G657A2
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



FOPC-LU1SS-XXXM

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

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)

ASSEMBLY LOSS

Optical Insertion Loss	LC/APC (SM): Max. 0.3dB@1310&1550nm - SC/APC (SM): Max. 0.3dB@1310&1550nm Assembly or Jumper
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ORDERING INFORMATION

Length	ModelNumber
Standard	1 pcs in PE bag

ADDITIONAL ASSEMBLIES

Length	Model Name
Length	Model Name
1 m	FOPC-LU1SS-001M
2 m	FOPC-LU1SS-002M
3 m	FOPC-LU1SS-003M
4 m	FOPC-LU1SS-004M
5 m	FOPC-LU1SS-005M
6 m	FOPC-LU1SS-006M
7 m	FOPC-LU1SS-007M
8 m	FOPC-LU1SS-008M
9 m	FOPC-LU1SS-009M
10 m	FOPC-LU1SS-010M