



FS Duplex Optical Patch Cords

The **FS** series of Optical Patch Cords are a great choice for data centers and field installations.

These FS series are duplex optical patch cords featuring UPC polished connectors for a high return loss with high precision all ceramic zirconium ferrules.

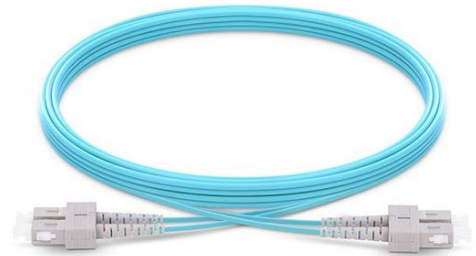
The FS series is our Professional grade fiber optic patch cords, therefore each patch cord is individually tested on each channel (both ways) and verified to fully meet the specifications at 100%.

The FS series is manufactured with high quality tight buffer 2.00 mm fiber optic cable, rated LSZH and fire retardant (UL 94 V-0). Dielectric aramid yarns strength and reinforces the cable to resist traction and mechanical stress, adding flexibility to the cable. The cable is marked at each meter with fiber type and brand.

The fully assembled FS duplex optical patch cord is a dielectric, sealed, corrosion resistant unit that is rugged enough for use in the field or data center.

The FS duplex optical patch cord features these characteristics:

- UPC Polished Zirconium Ceramic Ferrules
- LSZH, fire retardant 2.00 mm cable
- 100% Tested and verified
- A/B Channel Markers
- Packed individually in zip cord plastic bag
- Dust covers
- Cable marked at each meter with fiber type and brand.
- Cable with aramid yarns for strength, reinforcement and flexibility
- Tension relief boots



Features

- **RoHS compliant**
- **UL 94 V-0**
- **GR326-CORE**
- **TIA/EIA 310-D**
- **CEA 310**
- **ANSI/TIA/EIA 568B.2**
- **ANSI/ICEA S-102-700**
- **DIN 41494-7**
- **ISO/IEC 11801**
- **DIN 41494-8**
- **NEMA WC66**
- **IEC 60297**
- **EN 50173-1**
- **IEC 60297-3-100**
- **IEC 60297-3-101**
- **IEC 60297-3-102**
- **IEC 60297-3-103**
- **IEC 60297-3-104**
- **IEC 60297-3-105**
- **TIA/EIA 598**
- **Temperature: -40°C~85°C**
- **Humidity: 0%~95% RH**



UL1863
Communications-Circuit
Accessories





FS Duplex Optical Patch Cords

AVAILABLE CONNECTORS (ALL DUPLEX MALE CONNECTORS, UPC POLISHED)

MULTIMODE						SINGLEMODE				
Type of Connector	ST	FC	LC	SC	MTRJ	ST	FC	LC	SC	MTRJ
Designator	T	F	L	S	M	T	F	L	S	M
Body Material	Zinc/Nickel		Thermoplastic			Zinc/Nickel		Thermoplastic		
Insertion Loss	<= 0.2 dB									
Return Loss	>= 40 dB					>= 55 dB				
Apex Offset	<= 50 microns									
Interchangeability	<= 0.2 dB									
Salt Spray	<= 0.1 dB									
Repeatability	<= 0.1 dB (1000 times)									
Drop	<= 0.2 dB (1.5 mt, 5 drops)									
Vibration	<= 0.2 dB (550Hz 1.5mm)									

AVAILABLE FIBER OPTIC CABLE (Duplex, 2.00 mm +/- 0.2 mm, LSZH)

	MULTIMODE				SINGLEMODE	
	OM1	OM2	OM3	OM4	OS1	OS2
Designator	OM1	OM2	OM3	OM4	OS1	OS2
Fiber Core Diameter	62.5 µm	50 µm	50 µm	50 µm	9 µm	9 µm
Fiber Cladding Diameter	125 µm	125 µm	125 µm	125 µm	125 µm	125 µm
Wavelengths	850 / 1300 nm				1310, 1550 nm	
Notes	Laser Optimized OM3-10G, OM4-100G.				G.652D	G.657
Jacket Color	Orange			Aqua		Yellow

ORDERING GUIDE, SELECT DESIRED VALUES, SEPARTED BY -

FS	- OM1/OM2/OM3/OS1/OS2	-CACB		-XXM
FS	Fiber Type	Connector A	Connector B	Length
	OM1 = Multimode 62.5/125 OM2 = Multimode 50/125 OM3 = Multimode 50/125 (10G) OM4 = Multimode 50/125 (10G, 40G, 100G) OS1 = Singlemode 9/125, G.652D OS2 = Singlemode 9/125, G.657	F = FC/UPC L = LC/UPC S = SC/UPC T = ST/UPC M=MTRJ/UPC		Length in meters

Example: FS-OM3-TL-3M, Stands for Profesional Duplex Multimode 50/125, ST to LC Jumper, 3 meter length