

Description

PROSE Fiber Optic Patch Cords provide high-performance optical connectivity for data centers, telecommunications, and enterprise networks. Featuring low insertion loss, high return loss, and precision-polished connectors, they ensure reliable and efficient signal transmission across a wide range of fiber optic applications.

Key Features

- PVC, LSZH and other outer sheath materials can be selected.
- OFNR, OFNP and other flame retardant grades can be selected.
- Low insertion loss, high return loss.
- Two types of end grinding mode: UPC, APC.
- Available with simplex cable, duplex cable, mini-zip cord cable, ribbon cable, other types of cables on request
- Separately packed in plastic bag, including serial number and attenuation data.
- Connector types: LC, SC, FC, ST, E200, MPO.

Profile/Outline



LC-LC



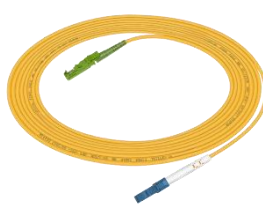
SC-SC



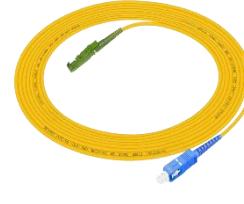
E2000-E2000



MPO-MPO



E2000-LC



E2000-SC

Technical Parameters

Fiber types	Single-mode 9/125um (G652D,G657A/B, etc.) Multi-mode 50/125um (OM3/OM4/OM5)
Connector variants	Simplex and duplex
External diameter	0.9mm buffered fiber 2.0mm simplex/duplex cable 3.0mm simplex/duplex cable
Delivery form	Single item in foil bag One product ID label with measurement values per patch cord Serial number label on patch cord

Ferrule Outside Diameter (mm)	1.25mm (LC); 2.50mm (SC)
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Reference Standards

LC	Comply with IEC 61754-20
SC	Comply with TIA 568, IEC 874-10
FC	Comply with IEC 60874-7
ST	Comply with TIA 568, IEC 874-14
The insertion loss test	Acc.to IEC 61300-3-4
The return loss test	Acc.to IEC 61300-3-6

Optical cable parameters

Type		Insertion loss (dB)	Return Loss (dB)
SM:SC; FC; ST; LC,E2000	Ultra (UPC)	< 0.30 dB	> 50 dB
	Angle(APC)	< 0.30 dB	> 60 dB
MM:SC; FC; ST; LC,E2000	Ultra (UPC)	< 0.30 dB	> 25 dB

Type	Parameters	
Core	1	2
Tensile strength (N)	150	300
Compressive strength (N/cm)	15	30
Minimum Bending Radius for Installation(mm)	20 times O.D	20 times O.D
Minimum Bending Radius for Operation (mm)	10 times O.D	10 times O.D
Installation Temperature(°C)	0-50°C	0-50°C
Operating Temperature(°C)	-20 to +60°C	-20 to +60°C
Transportation and Storage Temperature(°C)	-25 to +70°C	-25 to +70°C

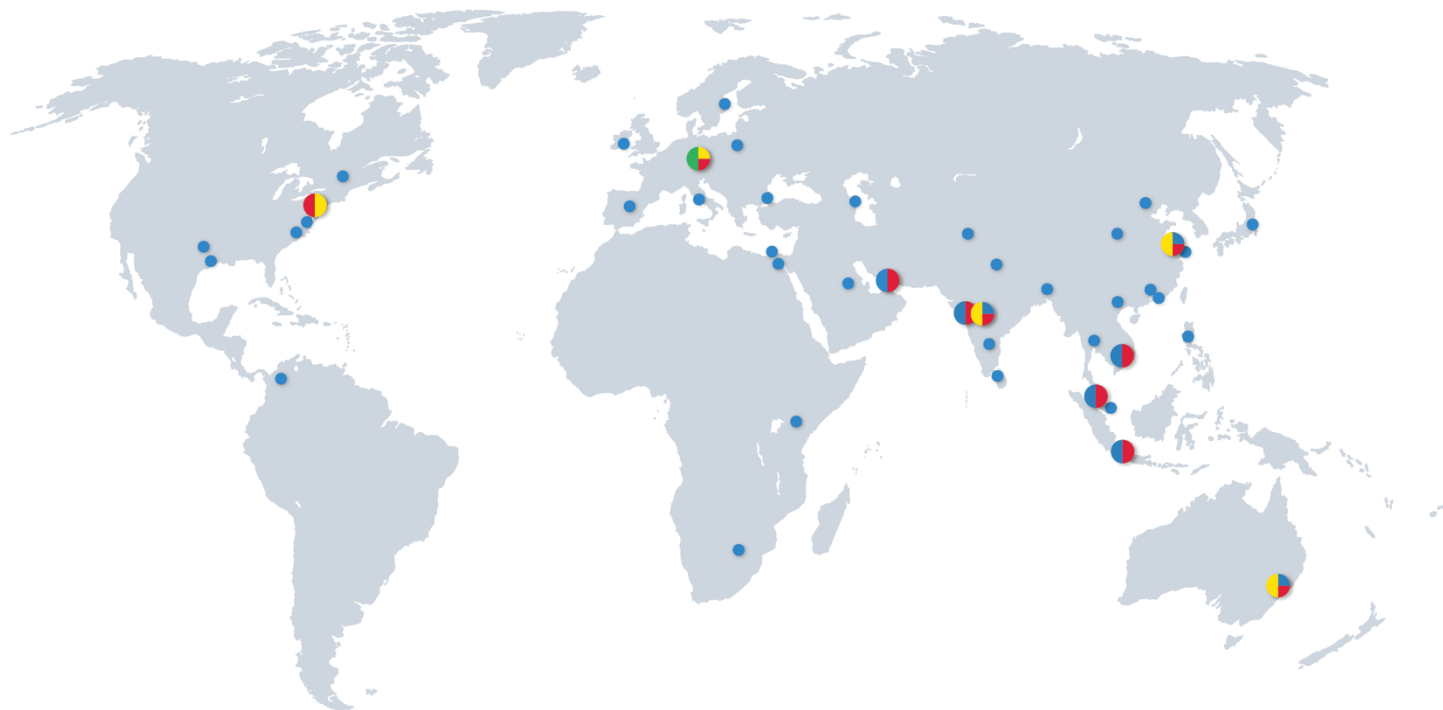
Ordering Information

Patch Cord & Pigtail	Fiber Type	-	Fiber Count	Connector L	Connector R	Cable Structure	Outer Sheath	-	Length
FJ: Fiber Patchcord	GD:G652D A1:G657A1 A2:G657A2 B2:G657B2 B3:G657B3 M2:OM2 M3:OM3 M4:OM4 M5:OM5		01:1F 02:2F 04:4F 06:6F 08:8F 12:12F	LC:LC UPC SC:SC UPC FC:FC UPC ST:ST UPC LA:LC/APC SA:SC/APC FA:FC/APC MM:MPO Male MF:MPO Female E2:E2000/APC	00:For Pigtail LC:LC UPC SC:SC UPC FC:FC UPC ST:ST UPC LA:LC/APC SA:SC/APC FA:FC/APC MM:MPO Male MF:MPO Female E2:E2000/APC	1:0.9mm tight-buffered cable 2:2.0mm 3:3.0mm 4:2*2.0mm	1:OFN 2:LSZH 3:OFNR 4:OFNP		0005:0.5m 0010:1m 0050:5m 0100:10m 0150:15m 0200:20m

For Example:

Order Number	Description
Singlemode	
FJGD-02LCLC42-0020	Patchcord, Duplex, LC-LC, SM G652D, 2*2.0mm, LSZH, 2m
FJGD-01SCSC22-0020	Patchcord, Simplex, SC-SC, SM G652D, 2.0mm, LSZH, 2m
FJGD-01LCSC22-0020	Patchcord, Simplex, LC-SC, SM G652D, 2.0mm, LSZH, 2m
FJGD-01E2E222-0020	Patchcord, Simplex, E2000-E2000, SM G652D, 2.0mm, LSZH, 2m
FJGD-01LCE222-0020	Patchcord, Simplex, LC-E2000, SM G652D, 2.0mm, LSZH, 2m
FJGD-01SCE222-0020	Patchcord, Simplex, SC-E2000, SM G652D, 2.0mm, LSZH, 2m
Multimode	
FJM3-02LCLC42-0020	Patchcord, Duplex, LC-LC, MM OM3, 2*2.0mm, LSZH, 2m
FJM3-01SCSC22-0020	Patchcord, Simplex, SC-SC, MM OM3, 2.0mm, LSZH, 2m
FJM3-01LCSC22-0020	Patchcord, Simplex, LC-SC, MM OM3, 2.0mm, LSZH, 2m
FJM3-01LCLC22-0020	Patchcord, Simplex, E2000-E2000, MM OM3, 2.0mm, LSZH, 2m
FJM3-01LCE222-0020	Patchcord, Simplex, LC-E2000, MM OM3, 2.0mm, LSZH, 2m
FJM3-01SCE222-0020	Patchcord, Simplex, SC-E2000, MM OM3, 2.0mm, LSZH, 2m

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