

Fiber Patch Cord, Single Mode/Multi Mode, simplex/duplex (2.0mm or 3.0mm optional)



The patchcords and Pigtaills are manufactured using Corning or YOFC optical fiber and are 100% factory tested to ensure performance to TIA/EIA standards.

Hybrid patch cord are available in both multimode (62.5/125µm and 50/125µm) and single mode(9/125µm) cable-types, in duplex and simplexversions.

Connector Options:

FC/SC/LC/ST/MU/E2000/MT-RJ/MPO/MTP

Polishing Options: PC/UPC/APC

Fiber Cable Options: OS2(9/125) OM1(62.5/125) OM2OM3 OM4 OM5 (50/125)

Color Options: Yellow, Orange, Aqua, Purple, Pink,White, Black....

Length options: from 0.5m to 20m (can be customsizes).

Features

- Low insertion loss and back reflection loss
- Good Durability. Good exchangeability
- High temperature stability
- Simplex/Duplex patch-cord available

Some Codes	Description
PC/OM1-3 SCP-STP S1,0	PATCH CORD Multi Mode, 3mm, SC/PC-ST/PC, SIMPLEX, 62,5/125, 1,0mt (OM1)
PC/OM1-3 SCU-SCU D3,0	PATCH CORD Multi Mode, 3mm, SC/UPC-SC/UPC, DUPLEX, 62,5/125, 3,0mt (OM1)
PC/OM2-3 LCU-LCU D2,5	PATCH CORD Multi Mode, 3mm, LC/UPC-LC/UPC, DUPLEX, 50/125, 2,5mt (OM2)
PC/OM2-3 LCU-LCU D5,0	PATCH CORD Multi Mode, 3mm, LC/UPC-LC/UPC, DUPLEX, 50/125, 5,0mt (OM2)
PC/OM2-3 SCP-STP S1,0	PATCH CORD Multi Mode, 3mm, SC/PC-ST/PC, SIMPLEX, 50/125, 1,0mt (OM2)
PC/OM2-3 STU-STU D2,5	PATCH CORD Multi Mode, 3mm, ST/UPC-ST/UPC, DUPLEX, 50/125, 2,5mt (OM2)
PC/OM3-3 LCU-LCU D3,0	PATCH CORD Multi Mode, 3mm, LC/UPC-LC/UPC, DUPLEX, 50/125, 3,0mt (OM3)
PC/OM4-3 SCU-SCU D2,5	PATCH CORD Multi Mode, 3mm, SC/UPC-SC/UPC, DUPLEX, 50/125, 2,5mt (OM4)
PC/OM4-3 LCU-SCU D2,5	PATCH CORD Multi Mode, 3mm, LC/UPC-SC/UPC, DUPLEX, 50/125, 2,5mt (OM4)
PC/OM4-3 LCU-LCU D2,5	PATCH CORD Multi Mode, 3mm, LC/UPC-LC/UPC, DUPLEX, 50/125, 2,5mt (OM4)
PC/SM9-3 LCU-LCU S2,5	PATCH CORD Single Mode, 3mm, LC/UPC-LC/UPC, SIMPLEX, 9/125, 2,5mts
PC/SM9-3 LCU-SCA S1,5	PATCH CORD Single Mode, 3mm, LC/UPC-SC/APC, SIMPLEX, 9/125, 1,5mt
PC/SM9-3 LCU-SCU S2,5	PATCH CORD Single Mode, 3mm, LC/UPC-SC/UPC, SIMPLEX, 9/125, 2,5mt
PC/SM9-3 SCP-STP S1,0	PATCH CORD Single Mode, 3mm, SC/PC-ST/PC, SIMPLEX, 9/125, 1,0mt
PT/OM1-2 LCU D1,0	PIG TAIL Multi Mode, 2mm, LC/UPC, DUPLEX, 62,5/125, 1,0mt (OM1)

This list has only the most commercialized codes. Consult Flexmedia for other models.

ANATEL Certifications:

04244-15-06630 04512-16-04855 05754-16-04855

Standards:

ISO 8877 - ANSI/TIA-568.1-D - ANSI/TIA-568.3-D - ANSI/ICEA S-83- IEC 60332-3 - IEC 60754-2 - IEC 61034-2 ISO/IEC 11.801 - TIA-604-10 - ABNT 14565 - ABNT NBR 14106

Application:

- Gigabit Ethernet
- Military
- Multimedia
- Premise installations
- Telecommunication networks

Technical

Parameter	Unit	FC, LC, SC				ST, MU			MTRJ			E2000	
		SM			MM	SM		MM	SM		MM	SM	
		PC	UPC	APC	PC	PC	UPC	PC	PC	UPC	PC	PC	APC
Insertion loss(typical)	dB	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.2	≤0.3
Return loss	dB	≥45	≥50	≥60	≥35	≥45	≥50	≥30	≥45	≥50	≥35	≥55	≥75
Exchangeability	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Vibration	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Operating temperature	°C	-40~75				-40~75			-40~75			-40~75	
Storage temperature	°C	-45~85				-45~85			-45~85			-45~85	
Cable diameter	mm	φ3.0, φ2.0, φ0.9				φ3.0, φ2.0, φ0.9			φ3.0, φ2.0, φ0.9			φ3.0, φ2.0, φ0.9	

Type	Standard, Master
Style	LC, SC, ST, FC, MU, DIN, D4, MPO, SC/APC, FC/APC, LC/APC. MU/APC Duplex MTRJ/Female, MTRJ/Male
Fiber Type	9/125 SMF-28 or equivalent (Single mode) OS1 50/125, 62.5/125 (Multimode) OM2& OM1 50/125, 10G (Multimode) OM3
Cable Type	Simplex, Duplex (Zip cord) Φ 3.0mm, Φ 2.0mm, Φ 1.8mm Φ 1.6mm PVC or LSZH Φ 0.9mm, Φ 0.6mm buffered fiber PVC or LSZH
Polishing Manner	UPC, SPC, APC (8° & 6°)
Insertion Loss	≤ 0.1dB (For Single mode Master) ≤ 0.25dB (For Single mode Standard) ≤ 0.25dB (For Multimode) Tested by JDS RM 3750
Return Loss (For Single mode)	UPC ≥ 50dB SPC ≥ 55dB APC ≥ 60dB (typ. 65dB) Tested by JDS RM3750
Repeatability	± 0.1dB
Operating temperature	-40° to 85°
Geometry Requirement	Ferrule Endface Radius 7mm ≤ R ≤ 12mm (For APC) 10mm ≤ R ≤ 25mm (For Standard) Apex Offset ≤ 30 μ m (For Master) Apex Offset ≤ 50 μ m (For Standard) Undercut -50nm ≤ U ≤ 50nm Tested by DORC ZX-1