Specification Of Fiber Optic Duplex Patch Cord

Features

- Widely used to connect the trunk cable wiring devices
- Suit for Single Mode or Multi Mode duplex cable
- High quality connectors
- Receive and transmit legs clearly indicated
- Low insertion loss,High return loss.
- Good repeatability、Mutual thrust performance
- Good temperature stability
- Conform to the IEC 874-7、TIA/EIA568 - B - 3 CECC86115-80 industry standards

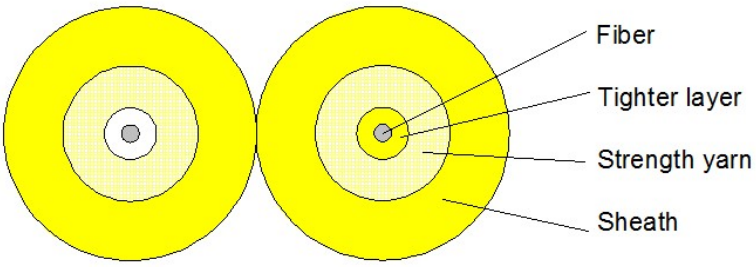
Available variant

（According to the customer requirement.）

SP-JSM-SC/APC-SC/APC/XXX-M

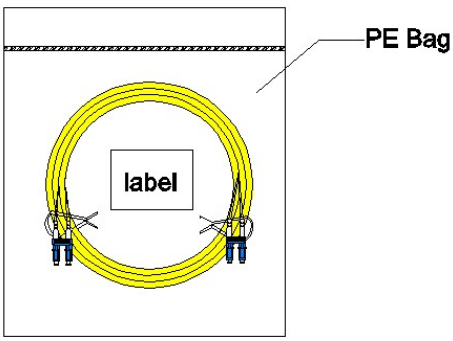
- Cable length
- Fiber Type
- Side B connector type
- Side A connector type
- Fiber Model

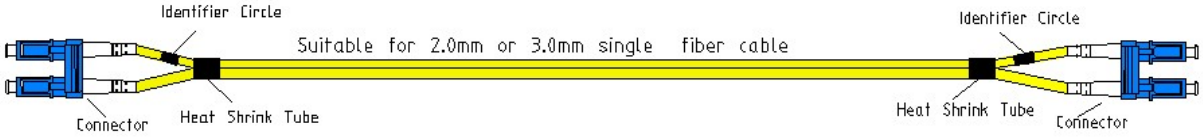
Cable Profile



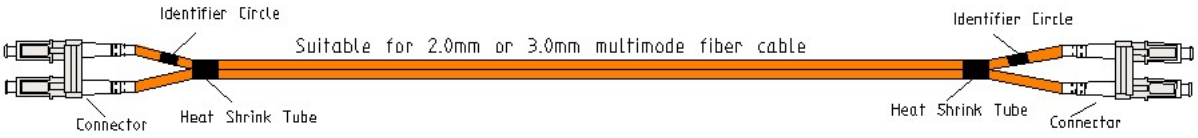
Profile

Packing

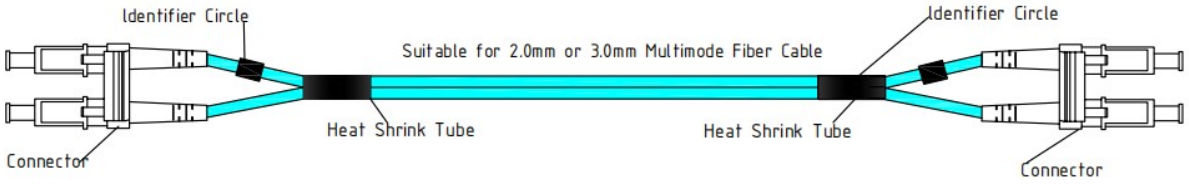




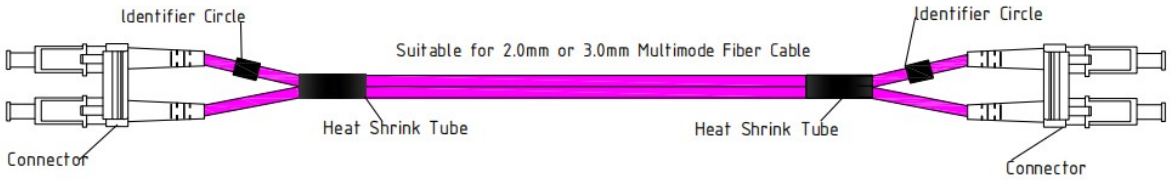
LC/LC SM duplex patch cord



LC/LC MM duplex patch cord



LC/LC MM duplex patch cord



LC/LC MM duplex patch cord

CONNECTOR PARAMETERS

Parameter	Unit	FC, SC, LC/ fiber patch cord				ST		
		SM			MM	SM		MM
		PC	UPC	APC	PC	PC	UPC	PC
Insertion Loss(typical)	dB	≤0.3	≤0.3	≤0.25	≤0.3	≤0.3	≤0.3	≤0.3
Return Loss	dB	≥ 45	≥ 50	≥ 60	≥ 30	≥ 45	≥ 50	≥ 30

Operating Wavelength	Ex-changeability	Vibration	Operating /Storage Temperature	Cable Diameter
nm	dB	dB	℃	mm

1310, 1510, 850	≤ 0.2	≤ 0.2	-40~75/-45~85	φ3.0, φ2.0, φ0.9

TIGHT BUFFER COLOR CODE

FIBER	Tight Buffer Color Code		Outer Sheath
Single Mode	White	Yellow	Yellow
Multi-Mode	White	Orange	Orange
10Gigabit Multi-Mode	White	Aqua	Aqua

CABLE STRUCTURE SPECIFICATION

Fiber count		2F
Tight Fiber	OD(mm):	0.85±0.05
	Material：	PVC
Strength Number		Strength yarn
Sheath	Thickness(mm):	0.3±0.05
	Material：	LSZH
OD of cable(mm)		1.6*3.2
Net weight (Kg/KM)		8
Maximum tensile（N）		50

SINGLE MODE FIBER PARAMETERS

Items	UNITS	SPECIFICATION	
Fiber type		G652D	G657A
Attenuation	dB/km	≤ 0.4 at 1310nm ≤ 0.3 at 1550nm	
Chromatic Dispersion	ps/nm.km	≤ 3.5 at 1310nm ≤ 18 at 1550nm ≤ 22 at 1625nm	
Zero Dispersion Slope	$ps/nm^2.km$	≤ 0.092	

Zero Dispersion Wavelength	nm	1300 ~ 1324	
Cut-off Wavelength (λcc)	nm	≤ 1260	
Attenuation vs. Bending (60mm x100turns)	dB	(30mm radius，100ring)≤ 0.1 @ 1625nm	(10mm radius，1ring)≤ 1.5 @ 1625nm
Mode Field Diameter	μm	9.2 ± 0.4 at 1310nm	9.2 ± 0.4 at 1310nm
Core-Clad Concentricity	μm	≤ 0.5	≤ 0.5
Cladding Diameter	μm	125±1	125±1
Cladding Non-circularity	%	≤ 0.8	≤ 0.8
Coating Diameter	μm	245±5	245±5
Proof Test	Gpa	≥ 0.69	≥ 0.69

NOTE:

1.Paragraphs finished product size should meet the requirements;

2.All materials meet ROHS requirements

3.Here is the *M for key size(The distance between the connector dust cap on both ends.)