

FIBER OPTIC DUPLEX PATCH CORD LC-LC

Widely used to connect the trunk cable wiring device

Suit for Single Mode or Multi Mode duplex cable

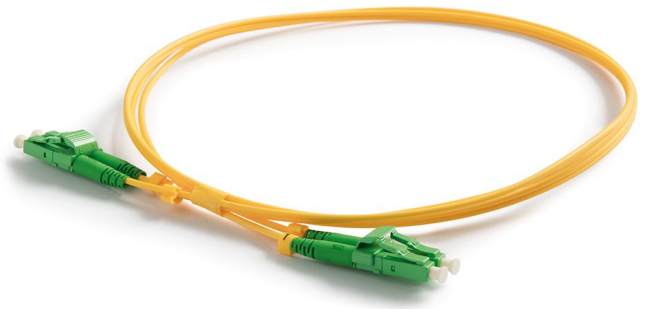
High quality connectors

Receive and transmit legs clearly indicated

Low insertion loss, High return loss.

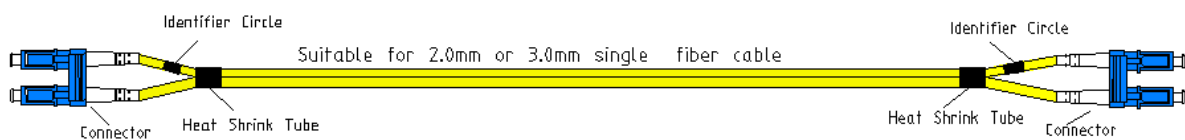
Good repeatability、 Mutual thrust performance

Good temperature stability

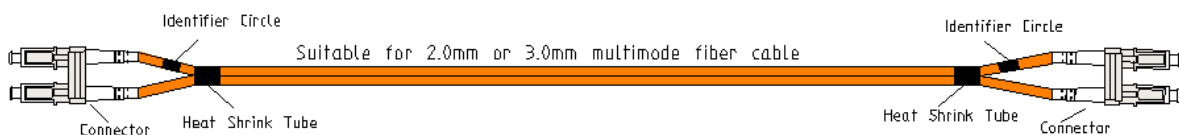


TIGHT BUFFER COLOUR CODE

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



LC/LC SM Duplex Patch Cord

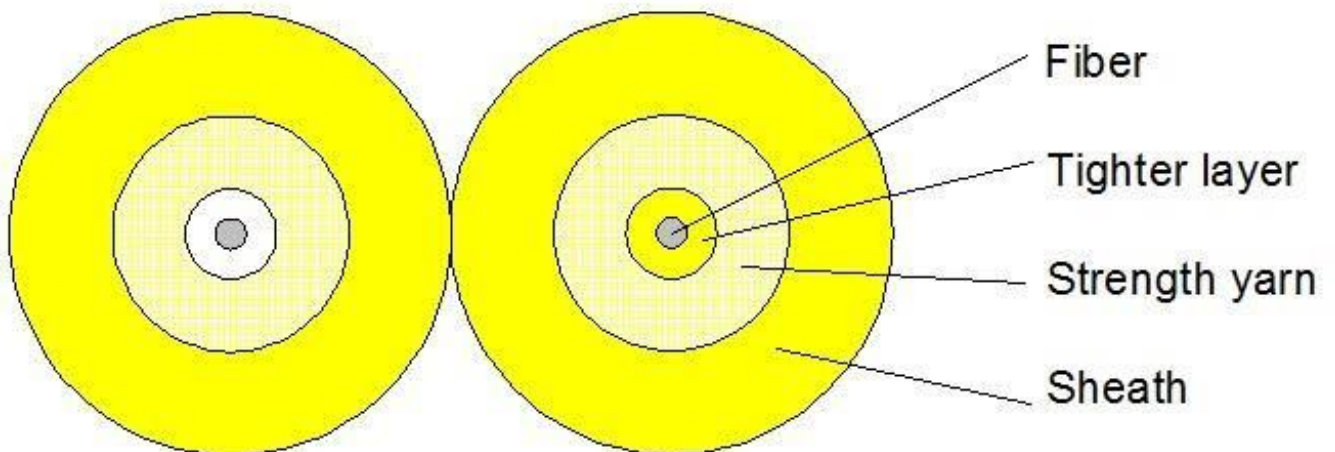


LC/LC MM Duplex Patch Cord

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

CABLE PROFILE

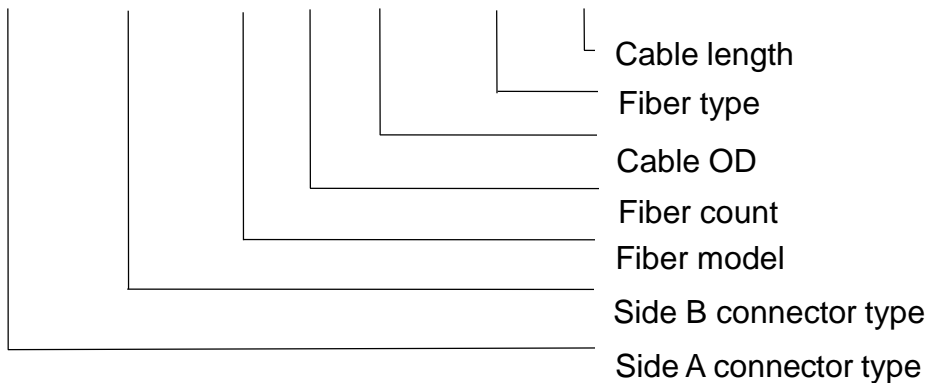


CABLE STRUCTURE SPECIFICATION

Fiber count		2F	
Tight Fiber	OD(mm):	0.85±0.05	
	Material :	PVC	
Strength Number		Strength yarn	
Sheath	Thickness(mm):	0.3±0.05	0.45±0.05
	Material :	LSZH/PVC	
OD of cable(mm)		2.0*4.0	3.0*6.0
Net weight (Kg/KM)		9.2	15.5
Maximum tensile (N)		60	100

AVAILABLE VARIANT

LC/UPC-LC/UPC-SM-DX-3.0-G652D-*M



SINGLE MODE FIBER PARAMETERS

Items	UNITS	SPECIFICATION	
		G652D	G657A
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 (λ_{cc})	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