

Armored Indoor & Outdoor cable 6F LSZH 5.0MM LC Patch Cord

We make high quality fiber optic patch cord, which provides low insertion loss, high return loss, low polarization effects which can provides excellent environmental stability for PM amplifier, fiber lasers and test instrumentation applications.

LC stands for Lucent Connector. The LC is a small form-factor Fiber optic connector.

The LC Connector uses a 1.25 mm ferrule, half the size of the ST. Otherwise; it is a standard ceramic Ferrule connector. The LC has good performance and is highly favored for single mode.

5.0mm LC-LC UPC 6 Core Indoor Outdoor Anti-Rodent Armored Cable Fiber
Optic Patch Cord LSZH UV OM4 branch length 30cm Color: Black Length: 3M

Features:

1. Low insertion loss and high return loss
2. Free-floating ceramic ferrule
3. UL-rated plastic housing and boot
4. Boots in a variety of colors
5. High precision alignment



Applications:

Local Area Networks (LANs) and Wide Area Networks (WANs)

Fiber Optic CATV, FTTH, FTTB, FTTP etc

Fiber Optic telecommunication systems

Transmission Mode (ATM)

Fiber Optic Backbone

Military Instrumentation

Availability:

-The connector can be supplied as a pre-assembled one-piece connector or as connector kits.

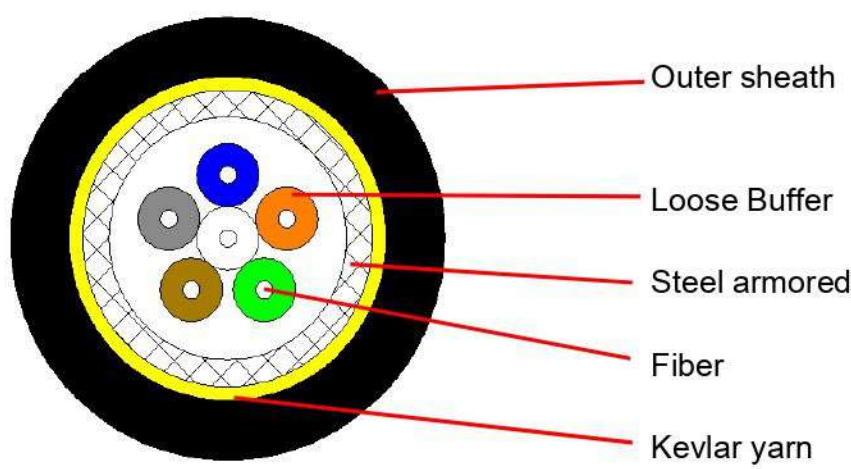
-Clips are available for SC and LC duplex connectors

Housing kits without ferrule are available.

-PC, UPC and APC are available

Specifications		
	Single mode	Multimode
Insert Loss	$\leq 0.30\text{dB}$	$\leq 0.30\text{dB}$
Return Loss	$\geq 50\text{ dB (PC)}$	
	$\geq 55\text{ dB (UPC)}$	
	$\geq 65\text{ dB (APC)}$	
Durability	<0.20 dB typical change, 1000 mating	
Operating Temperature	From -40 to + 80°C	From -40 to + 80°C
Ferrule Hole Sizes	125.0+1/-0 μm , Concentricity: $\leq 1.0\mu\text{m}$	125 μm , Concentricity: $1\leq 3\mu\text{m}$
	125.5+1/-0 μm , Concentricity: $\leq 1.0\mu\text{m}$	127 μm , Concentricity: $1\leq 3\mu\text{m}$
	126.0+1/-0 μm , Concentricity: $\leq 1.0\mu\text{m}$	128 μm , Concentricity: $1\leq 3\mu\text{m}$

1. Cable structure:



2.Cable construction details :

Fiber count	Loose Buffer	Outer sheath	Cable weight
6F	0.6±0.05(mm)	5.0±0.2 (mm)	31kg
Loose Buffer	material	PVC	
armored	material	Steel wire	
	Outer sheath	2.8±0.1	
Strength member	material	Polyester yarn	
Outer sheath	material	LSZH	
	color	Black	
Installation Temperature range (°C)		-10+60	
Operation and transport temperature (°C)		-20+70	
Min Bending Radius(mm)	Long term	10D	
Min BendingRadius(mm)	Short term	20D	
Tensile Strength(N)	Long term	60	
Tensile Strength(N)	Short term	100	

Crush Load (N/100mm)	Long term	500
Crush Load (N/100mm)	short term	2500

3.Buffer color

1	2	3	4	5	6
Blue	Orange	Green	Brown	Grey	White

4.Fiber characteristic

Characteristics	Conditions	Specified Values	Unit
Attenuation	850nm	≤3.0	dB/KM
	1300nm	≤1.5	dB/KM
OFL Bandwidth	850nm	≥3500	MHz.km
	1300nm	≥500	MHz.km
Effective Modal Bandwidth @850nm		≥4700	MHz.km
Zero dispersion wavelength		1295-1320	nm
Zero dispersion slope	1295-1300nm	≤0.001*(λ ₀ -1190)	ps/nm ² .km
	1300-1320nm	≤0.11	ps/nm ² .km
Application support distance on 10 Gigabit Ethernet SX 850nm Gigabit Ethernet SX 850nm Gigabit Ethernet LX 1300nm		-	
		550	m
		1100	m
		600	m
Numerical Aperture		0.200±0.015	-
Group Refractive Index	850nm	1.482	-
	1300nm	1.477	-
Geometrical Characteristics			
Core diameter		50±2.5	um
Cladding diameter		125.0±1.0	um
Cladding non-circularity		≤1.0	%
Coating diameter		254±5	um
Coating-cladding concentricity error		≤12.0	um
Coating non-circularity		≤6.0	%
Core-cladding concentricity error		≤1.0	um

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