

INDOOR FIBER PATCH CORD

BlueStorm fiber optic patch cord designed for high-performance data networking and telecommunications that contains strands of glass fibers inside an insulated casing. They're patch cord is capped at either end with connectors that allow it to be rapidly and conveniently connected to CATV, an optical switch or other telecommunication equipment. Its thick layer of protection is used to connect the optical transmitter, receiver, and the terminal box.

Description

BlueStorm fiber optic patch cord is constructed from a core with a high refractive index, surrounded by a coating with a low refractive index, that is strengthened by aramid yarns and surrounded by a protective jacket. Transparency of the core permits transmission of optic signals with little loss over great distances. The coating's low refractive index reflects light back into the core, minimizing signal loss. The protective aramid yarns and outer jacket minimizes physical damage to the core and coating. Single-mode fiber is generally yellow, with a blue connector, and a longer transmission distance. Multi-mode fiber is generally orange or grey, with a cream or black connector, and a shorter transmission distance.



Application

- Access Network & Telecom/CATV Systems.
- FTTx&Internet.
- Cable TV&Telephone&Computer Networking.
- Surgery and Dentistry&Lighting and decorations.
- Mechanical Checks & Military and Space applications.

Features

- Band width:1G,10G,40G,100G
- Low insertion loss
- High return loss
- Price-Competitive
- Factory-terminated and Tested
- Fiber Options: G.652 /G.657/OM1/OM2/OM3
- Connector Options: FC/SC/LC/ST/MU/E2000/MT-RJ/MPO/MTP
- Polishing Options: PC/UPC/APC
- Feature Connector with Ceramic Ferrules

		Specification					
Fiber Count		2F					
Fiber Type		Single mode G.652D - G.657A			Multimode 62.5/12 - 50/125 OM1 , OM2 , OM3 , OM4		
Fiber Code Color		Yellow,Orange, Aqua					
Parameter	Unit	SC,LC,FC PATCH CORD			ST,MU		
		SM		MM	SM		MM
		PC	UPC	APC	PC	PC	UPC
Insertion Loss	dB	≤ 0.3	≤ 0.3	≤ 0.25	≤ 0.3	≤ 0.3	≤ 0.3
Return Loss	dB	≥ 45	≥ 50	≥ 60	≥ 30	≥ 45	≥ 30
Tight Fiber	OD(MM):	0.85 ± 0.05					
	Materiel:	PVC					
Strength yarn		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		
Operating Wavelength	nm	1310 ,1510,850					
Vibration	dB	≤ 0.2					
Exchangeability	dB	≤ 0.2					
Operating Temperature	dB	-40 ~75					
Storage Temperature	dB	-45 ~85					
Cable Diameter	MM	ø1.0, ø2.0, ø0.9					
Length	M-Cm	0.50cm - (1,2,3,5,10,15,25,35,50,100 Meter					
Attenuation	dB/km	≤ 0.4 at 1310nm ≤ 0.3 at 1550nm					
Cut-off Wavelength (Acc)	nm	≤ 1260					
Zero Dispersion Wavelength	nm	1300 ~ 1324					

BSF-■PC-■D-■M-■

