

Armored Fiber Patch Cable



Description

Armored fiber patch cables feature an additional protective metal armor layer, typically a flexible stainless steel tube, around the optical fiber. This reinforced structure provides enhanced resistance to crushing, bending, pulling, accidental impact, and rodent damage while maintaining the flexibility required for installation. They are widely used in data centers, telecommunications networks, industrial environments, equipment rooms, laboratories, and other applications requiring increased mechanical protection.

Firsol provides customized armored fiber patch cable solutions using OS2 single-mode fiber and OM1, OM2, OM3, and OM4 multimode fibers. Available connector options include LC, SC, FC, ST, and E2000, with UPC or APC polishing configurations. Customers can also customize the cable length, cable diameter, jacket material, cable color, connector combination, fiber configuration, and other specifications to meet different network installation and application requirements.

Features

- Low Insertion Loss
- High Return Loss
- High Stability and Reliability

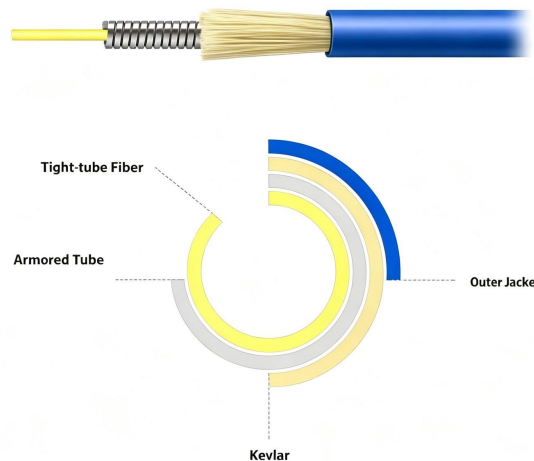
Applications

- Telecommunication
- CATV, FTTH, LAN
- Optical Transmission System

Specifications

Parameter	Unit	LC, SC, FC, E2000				ST	
		SM		MM		SM	MM
		UPC	APC	UPC	APC	UPC	UPC
Operating Wavelength	nm	1310/1550		850/1300		1310/1550	850/1300
Insertion Loss	dB	≤0.3	≤0.3	≤0.3		≤0.3	≤0.3
Return Loss	dB	≥50	≥60	≥35		≥50	≥35
Repeatability	dB	≤0.1					
Interchangeability	dB	≤0.2					
Fiber Type	-	OS2/OM1/OM2/OM3/OM4					
Fiber Count	-	Simplex/Duplex/6 Fibers/12 Fibers					
Cable Diameter	mm	3.0					
Connector Durability	times	≥1000					
Operating Temperature	°C	-10 to +70					
Storage Temperature	°C	-40 to +85					

Product Structure



Ordering Information

							
Fiber Type	Fiber Count	Fiber Length	Cable Jacket	Cable Color	End A	End B	Pulling Eye
OS2 9/125µm	Simplex	1m	PVC	Yellow	LC/UPC	LC/UPC	None
OM1 62.5/125µm	Duplex	2m	LSZH	Blue	LC/APC	LC/APC	End A
OM2 50/125µm	6 Fibers	3m	OFNP	Green	SC/UPC	SC/UPC	End B
OM3 50/125µm	12 Fibers	5m		Red	SC/APC	SC/APC	Both Ends
OM4 50/125µm		10m		Aqua	FC/UPC	FC/UPC	
		15m		Black	FC/APC	FC/APC	
		20m		Brown	ST/UPC	ST/UPC	
		30m		Orange	ST/APC	ST/APC	
		50m		Rose	E2000/UPC	E2000/UPC	
		100m		Slate	E2000/APC	E2000/APC	
		200m		Violet			
				White			