

## ARMORED PATCHCORD

Armored Optic Fiber Patch cord makes the optic fiber patchcord to be electric cable - like handling and easy installation. This latest Lightem Armored Optic Fiber Patch cord is different from the characteristics of the traditional product that it has developed with a micro diameter armored flexible tube in stainless steel in order to prevent optical fiber from easily destroyed and broken. It also can be covered with PVC or LSZH jacket. In order to ensure the firmly conjunction, we offer relative strong type connector. This unique design makes the connection process more convenient, reduce the loss and extend the use life of optical fiber.

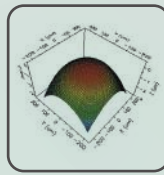
### Features

- Strong protection on fiber by the stainless steel tube structure at harsh environment
- High tensile strength, pressure resistance, re-twist resistance, prevents bite by the rodents.
- Electric cable-like handling and easy installation.
- 12 colours of LSZH or PVC jacket available ( White, Blue, Red, Yellow, Black, Green, Gray, Orange, Purple, Light Blue, Brown, Pink)
- Up to 4 core fibers

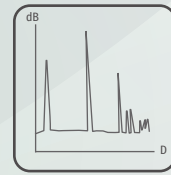
### 100% Lightem Assurance



Connector Surface Inspection



Geometric Inspection



Optical Inspection

### Specifications

Lightem Armored Optical Patchcord Parameter

Specification	Singlemode FC/SC/ST	Multimode FC/SC/ST
Insertion loss	≤0.3dB	≤0.3dB
Return loss	≥50dB	-----
Repeatability	≤0.1dB	≤0.1dB
Application temperature	-20°C ~ + 60°C	-20°C ~ + 60°C

Cable Type A (without Steel Wire)

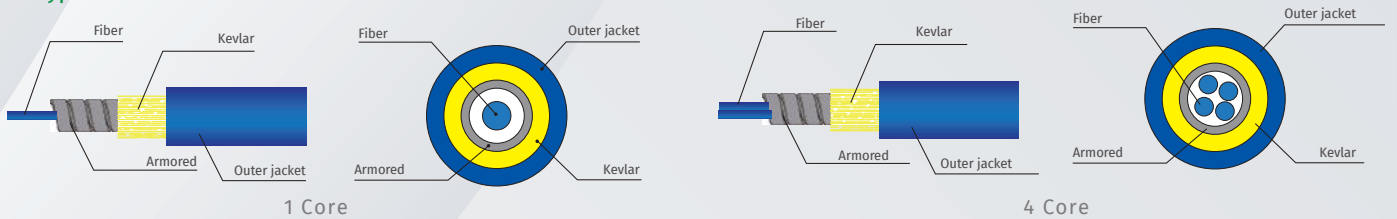
Fiber	G652	G657A1	G657A2(B)	OM1	OM2	OM3	OM4
Fiber Core	1			4			
Diameter	2.9±0.2 / 4.0±0.2						
Standard color	SM: Blue / MM: Grey						
Temperature Range	-20 to 75°C						
Max. Tension	Long time	300N			400N		
	Short time	600N			600N		
General attenuation	1310nm	0.4dB/km					
	1550nm	0.3dB/km					
Compression resistant strength	Long time	1000N /100mm					
	Short time	1500N /100mm					
Max. Bending Radius	Static	10D					
	Dynamic	20D					

Cable Type B (with Steel Wire)

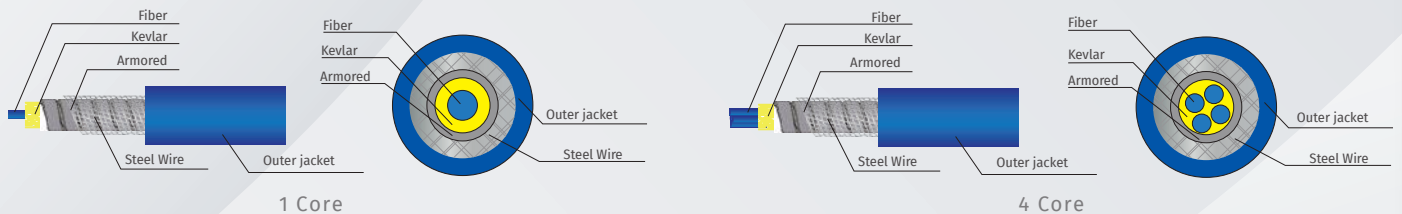
Fiber		G652D	G657A1	G657A2(B)	OM1	OM2	OM3	OM4
Fiber Core		1			4			
Diameter		2.9±0.2 / 4.0±0.2						
Standard color		SM: Blue / MM: Grey						
Temperature Range		-20 to 75°C						
Max. Tension	Long time	300N			400N			
	Short time	600N			600N			
General attenuation	1310nm	0.4dB/km						
	1550nm	0.3dB/km						
Compression resistant strength	Long time	2000N /100mm						
	Short time	3000N /100mm						
Max. Bending Radius	Static	10D						
	Dynamic	20D						

## Cable Type

### Type A



### Type B



## Ordering Information

Fiber type	Connector type1	Connector type 2	Cable Type	Lenght(m)	Cable Material
AS2 - Singlemode G652D	Singlemode Type	XX - Pigtail	Type A	0010 -1m	P -PVC
AS5 - Singlemode G655	FU - FC/UPC	Singlemode Type	31AS -3mm simplex	0015 -1.5m	L -LSZH
AS6 - Singlemode G657A1	FA - FC/APC	FU - FC/UPC	32A1 -3mm Round	-----	
AS7 - Singlemode G657A2 (B)	CU - SC/UPC	FA - FC/APC	32A2 -3mm zipcord	0990 -99m	
A62 - MM OM1 62.5/125µm	CA - SC/APC	CU - SC/UPC	32A4 -4mm x1(4 core)		
A50 - MM OM2 50/125µm	TU - ST/UPC	CA - SC/APC	Type B		
A03 - MM OM3 50/125µm	LU - LC/UPC	TU - ST/UPC	31BS -3mm simplex		
A04 - MM OM4 50/125µm	LA - LC/APC	LA - LC/UPC	32B1 -3mm Round		
	MJ - MU/UPC	LA - LC/APC	32B2 -3mm zipcord		
	MP - MTRJ w/o pin	MJ - MU/UPC	32B4 -4mm x1(4 core)		
	MU - MTRJ with pin	MP - MTRJ w/o pin			
	EU - E2000/UPC	MU - MTRJ with pin			
	EA - E2000/APC	EU - E2000/UPC			
	DN - DIN/UPC	EA - E2000/APC			
	D4 - D4/UPC	DN - DIN/UPC			
	FD - FDDI	D4 - D4/UPC			
	Multimode Type	FD - FDDI			
	FC - FC	Multimode Type			
	SC - SC	FC - FC			
	ST - ST	SC - SC			
	LC - LC	ST - ST			
	ES - ESCON	LC - LC			
	FD - FDDI	ES - ESCON			
	MJ - MTRJ	FD - FDDI			
	MP - MTRJ with pin	MJ - MTRJ			
	S5 - SMA 905	MP - MTRJ with pin			
	S6 - SMA 906	S5 - SMA 905			
		S6 - SMA 906			

\*ordering information example