Armoured Fiber Optic Patch Cord

Techlogiks armoured fiber optic patch cords are suitable for extremely adverse environmental conditions. The armored cable has both steel armor and steel braiding beneath the outer jacket, which can protect the fiber(s) from damage caused by twist, pressure or rodent bite. The Armored FO Patch Cord can be deployed directly without additional protection and have high performance of tensile, pressure resistance. It is available with various options: Singlemode/Multimode, Single Fiber/ Multiple fiber counts, SC/LC/FC/ST/E2000 connectors.

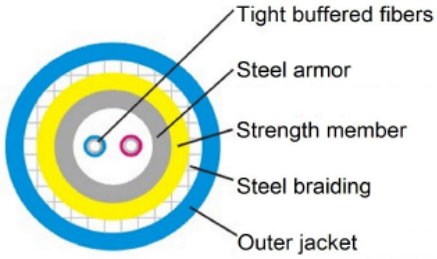
Applications:

- Infrastructure cabling, especially on the extremely adverse environmental condition for construction
- Ideal for use in optical device, equipment.
- Pigtails and Patch cord.
- Telecommunication Networks
- CATV Networks

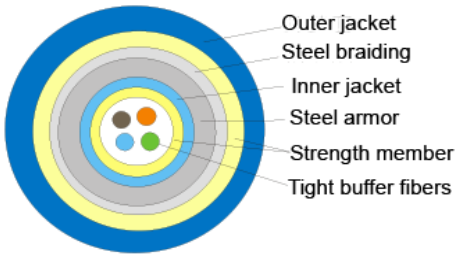
Features:

- Double armored cable: steel armor and steel braiding
- Resist damage by improper twist
- Protection from pressure and rodent bite
- Available in different types of fiber, e.g., singlemode OS1/OS2, multimode OM1, OM2. Bend insensitive fiber also available upon request
- Available in different types of cable jacket material, e.g., PVC, LSZH, Plenum
- Available in variety of cable colors to complement any network
- Low insertion loss and back reflection
- Visual inspection of end face by 400x microscope
- Available for custom configurations and performances

Double Armored Simplex Cable

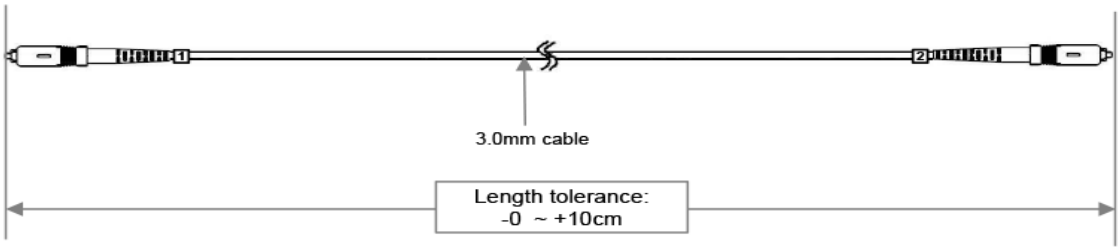


Double Armored 2 Strand Cable

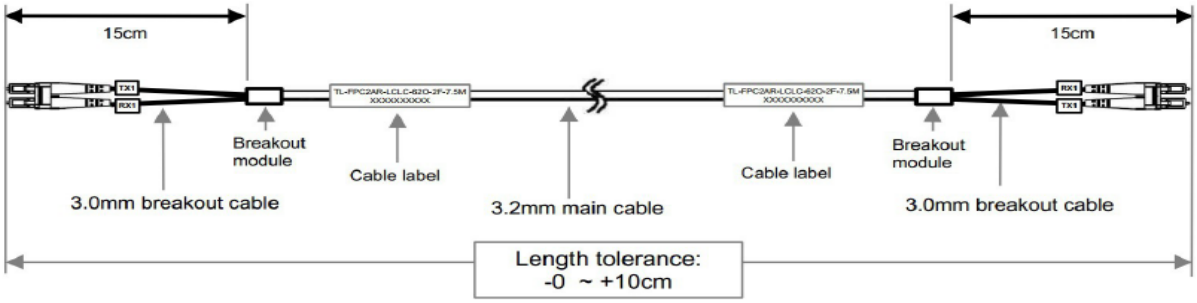


Double Armored 4 Strand Cable

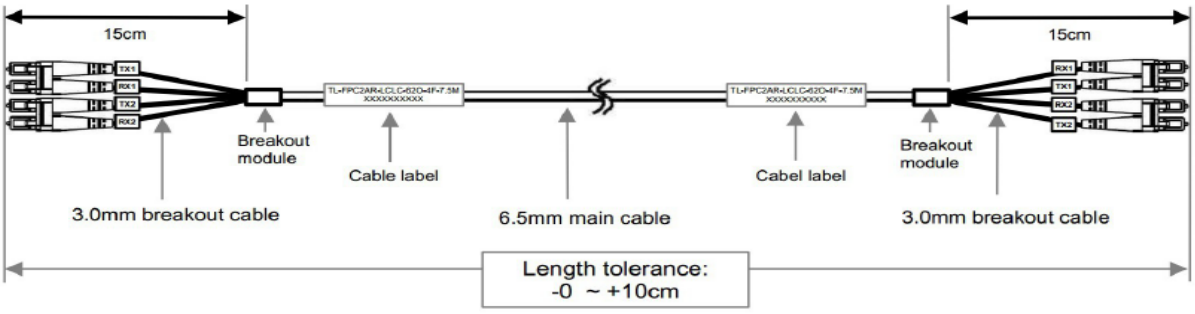
Double Armored Cable Specifications				
		Outer Diameter		
		Simplex 3.0+-0.1mm	2 Strand 3.2+-0.1mm	4 Strand 6.5+-0.3mm
Tensile	Long Term	200N		600N
	Short Term	400N		800N
Crush Resistance	Long Term	≥3000N/100mm		
	Short Term	≥5000N/100mm		
Bending Radius	Dynamic	≥20D		
	Static	≥10D		
Tight Buffered Fiber Diameter		0.9mm		0.6mm
Armor Tube (Stainless Steel)		SUS304		
Strength Member (Aramid Yarn)		1000 den		
Steel Braiding (Stainless Steel)		SUS304		
Temperature Range		-40°C ~ +70°C (PVC, Plenum) -40°C ~ +80°C (LSZH)		
Cable Jacket Materials		PVC, LSZH, Plenum		



Simplex



2 Strand



4 Strand

Optical Performance		
	Single Mode	Multi-Mode
Insertion Loss IEC 61300-3-4 (Against Ref)	≤0.30dB	≤0.30dB
Return Loss	≥50.0dB (UPC) ≥60.0dB (APC)	
Durability IEC 61300-2-2	<0.2dB (500 cycles)	

Ordering Information	
Part Number	**Description**
TL-FPC2AR-SCSC-09Y-2F-001	2 Fiber SC-SC Single Mode 9/125µ Yellow Color Double Armoured Fiber Patch cord 1 Meter
TL-FPC2AR-LCLC-09Y-2F-001	2 Fiber LC-LC Single Mode 9/125µ Yellow Color Double Armoured Fiber Patch cord 1 Meter
TL-FPC2AR-STST-09Y-2F-001	2 Fiber ST-ST Single Mode 9/125µ Yellow Color Double Armoured Fiber Patch cord 1 Meter
TL-FPC2AR-SCSC-62O-4F-001	4 Fiber SC-SC Multi Mode 62.5/125µ Orange Color Double Armoured Fiber Patch cord 1Meter
TL-FPC2AR-LCLC-62O-4F-001	4 Fiber LC-LC Multi Mode 62.5/125µ Orange Color Double Armoured Fiber Patch cord 1 Meter
TL-FPC2AR-STST-62O-4F-001	4 Fiber ST-ST Multi Mode 62.5/125µ Orange Color Double Armoured Fiber Patch cord 1 Meter
TL-FPC2AR-UU VV-WWX-YYF-ZZZ	
UU – LC, SC, ST, FC, MTRJ. VV - LC, SC, ST, FC, MTRJ. WW – 09, 62, 50, OM3, OM4 X - Y - Yellow, O – Orange, A - Aqua, P – Pink, B - Blue. YY - 01,02,03, 04,.. ZZZ – 001, 002, 003 Meters etc…	