



# LC Patch Cord - Armor Cable

## Application scenarios

- FTTA
- Multi-Purpose outdoor
- BBU, RRU, RRH, LTE connect
- Outdoor monitoring and control system

## Features

- Low insertion loss and added loss
- RoHS and REACH materials compliant
- Mechanical performance: IEC 61754-20 & IEC 61754-4 standard
- End-face geometry and quality superior than IEC and Telcordia standards
- Flexibility with small bending radius and excellent cable routing properties

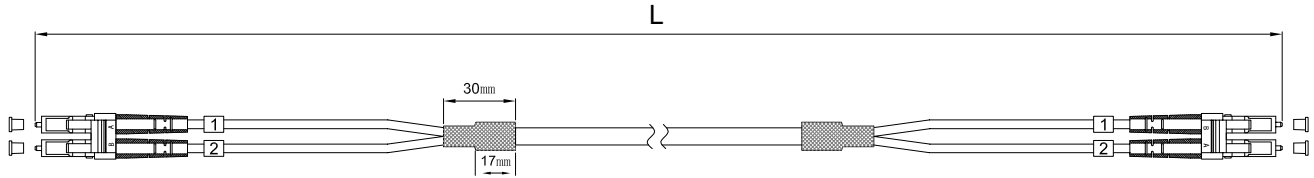


## Technical Specification

Physical Characteristics	
Polish Type	MM:UPC;SM:UPC/APC
Fiber Type	G657A/G652D/OM4/OM3
Connector	LC/SC/FC/ST
Operating Temperature	-20~70°C
Storage Temperature	-40~80°C

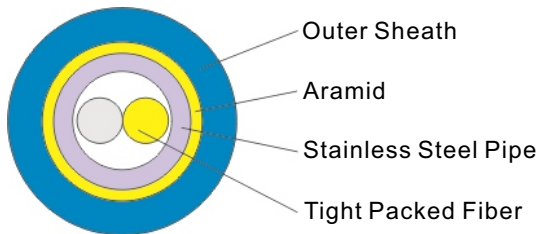
Performance Properties	
Insertion Loss	SM:UPC $\leq$ 0.3dB;APC $\leq$ 0.3dB
	MM:UPC $\leq$ 0.2dB
Return Loss	SM:UPC $\geq$ 50dB,APC $\geq$ 60dB
	MM:UPC $\geq$ 35dB

## Technical Drawing



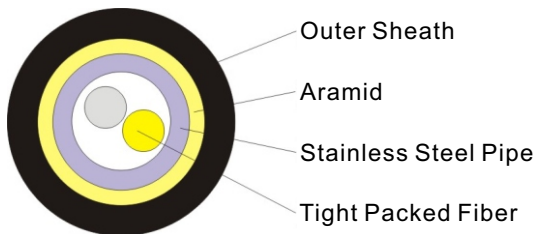
Length	Tolerance
L < 1m	+50mm/-0
1m ≤ L ≤ 10m	+100mm/-0
10m < L ≤ 20m	+200mm/-0
L > 20m	+2%/-0

## Cable



Indoor armored optical cable - Ø3.0mm duplex

Fiber Count	Cable Diameter	Tensile Strength		Compressive strength	General attenuation		General attenuation		MIN.Bend Radius	Cable Weigh
		Short Term	Long Term		1310nm (SM)	1550nm	850nm (MM)	1300nm		
2	3.0±0.1 mm	200 N	100 N	≥3000 N/100mm	0.4 dB/km	0.3 dB/km	3.0 dB/km	1.0 dB/km	≥30 D	15 kg/km



Indoor and outdoor waterproof armored optical cable - Ø4.8mm/ Ø5.0mm duplex

Fiber Count	Cable Diameter	Tensile Strength		Compressive strength	General attenuation		General attenuation		MIN.Bend Radius	Cable Weigh
		Short Term	Long Term		1310nm (SM)	1550nm	850nm (MM)	1300nm		
2	4.8±0.2 mm	1000 N	400 N	≥3000 N/100mm	0.4 dB/km	0.3 dB/km	3.0 dB/km	1.0 dB/km	≥30 D	30 kg/km



Armored fiber optic cable—Ø7.0mm base stand fiber cable

Fiber Count	Cable Diameter mm	Tensile Strength		Compressive strength N/100mm	General attenuation 1310nm (SM) 1550nm		General attenuation 850nm (MM) 1300nm		MIN.Bend Radius D	Cable Weigh kg/km
		Short Term N	Long Term N		dB/km	dB/km	dB/km	dB/km		
2	7.0±0.3	1000	600	≥3000	0.4	0.3	3.0	1.0	≥30	65