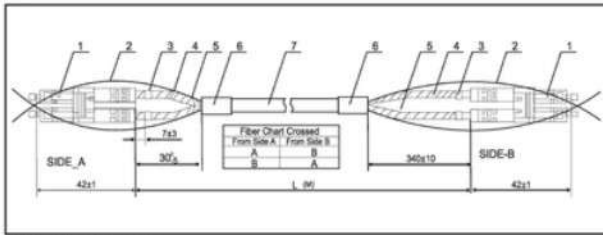
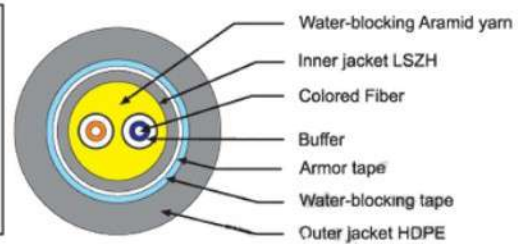


# LC-PC TO LC-PC MULTI MODE DUPLEX

## CPRI armoured optical fiber assembly outdoor for *Huawei BTS*



All dimensions are in mm:



### PRODUCT DETAILS

- Designed for FTTA applications, featuring a steel-armored optical cable with enhanced rodent resistance for reliable outdoor performance.
- Equipped with LC duplex connectors on both ends, integrated with flexible tubing allowing bending from  $-120^\circ$  to  $+120^\circ$ , and secured with IP-sealed boots for durability.
- Offers superior waterproof performance with IP68-rated protection at the grounding joint, along with a grounding kit to safeguard base station systems against lightning strikes.

### TECHNICAL SPECIFICATIONS

S.No.	Description
<b>Parts</b>	
1	Connector A LC-PC DX, Multi Mode
2	Connector B LC-PC DX, Multi Mode
3	Cable 8.2mm Armored Cable, HDPE, Black, OM2 Fiber
4	Grounding Kit Grounding wire 6 sqmmBV black wire, length 1200mm, contact resistance $\leq 5m\Omega$ , copper Lug for 6sqmm cable, Plain washer, spring washer, nut M5 and Bolt M8*20 (material code: SS-202)
<b>Optical Data</b>	
1	Cable Fiber OM2, 50/125um Optical fiber
2	Fiber Count 2 fibers
3	Cable Attenuation $\leq 3.0db/km @ 850nm$ $\leq 1.0db/km @ 1300nm$
<b>Assembly</b>	
1	Insertion Loss Max. 0.30 @ 850nm Max. 0.30 @ 1300nm
2	Return Loss Min. 35db
<b>Mechanical Data</b>	
1	Mating Durability (Connector) 1000 cycles
2	Cable crush (Assembly) Max 1000N/10mm No Broken, IL $\leq 0.5db$
3	Break out length 340 mm side A and Side B (Customized as per requirement)
4	Minimum bending radius (FO Cable) Installation: 140mm; Operation: 85mm
6	Tensile Strength Max 725N
7	Impact Resistance 5Nm
8	Torsion $\pm 180^\circ$
<b>Environmental Data</b>	
1	Temperature range - Operation $-40^\circ C$ to $+80^\circ C$
2	Temperature range - Storage $-40^\circ C$ to $+80^\circ C$
3	Temperature range - Installation $-20^\circ C$ to $+80^\circ C$
<b>Others</b>	
1	Length Available in all the length from 2mtr to 300mtr (Tolerance $\pm 10$ cm)
2	Packaging As per customer requirement
3	Guarantee 10 years

<b>Tight Buffer</b>	Thickness	0.32 mm
	Material	LSZH
	Dia	0.9 mm
<b>Inner Sheath</b>	Thickness	LSZH
	Material	$0.65 \pm 0.05$ mm
	Dia	$4.0 \pm 0.2$ mm
<b>Armored</b>	Material	Steel Tape
	Thickness	0.21 mm
<b>Outer Sheath</b>	Thickness	$1.3 \pm 0.1$ mm
	Material	HDPE
	Dia	$8.2 \pm 0.2$ mm