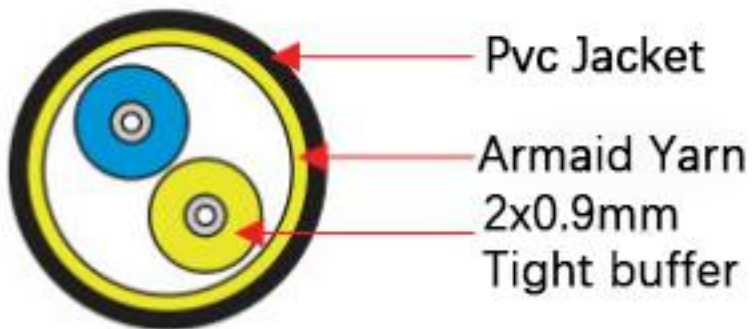


Duplex outdoor CPRI fiber patch cable for FTTA project



CPRI Patch cord is used to carry data between cell sites and base stations. It's the ideal design for outdoor fiber cable applications. Such product can meet the FTTA(fiber to the Antenna) program requirements for outdoor environment conditions. Especially in the 3G, 4G, Base station (BBU to RRU). CPRI fiber patch cable are rapidly becoming the standard connector interface.

Cable Parameters-



Item	Contents	Unit	Value
Optical Fiber	model	/	G657A1/G657A2/OM3/OM4
	number	/	2
	Color	/	nature
Tight buffer	color	/	Blue, orange
	material	/	PVC
	diameter	mm	0.9±0.05
Strength member	Material	1	1100*6 Aramid fiber
	Material	2	/
Outer jacket	Diameter	mm	5.0±0.2
	Material	/	PVC (UL CERTIFICATED)
	Color	/	black
Tensile performance	Short term	N	200N (fiber strain ≤0.6%)
	Long term	N	100
Crush	Short term	N/100mm	500
	Long term	N/100mm	100
Cable attenuation		dB/km	≤ 0.4 at 1310nm, ≤ 0.3 at 1550nm
Cable weight (Approx.)		kg/km	21.4

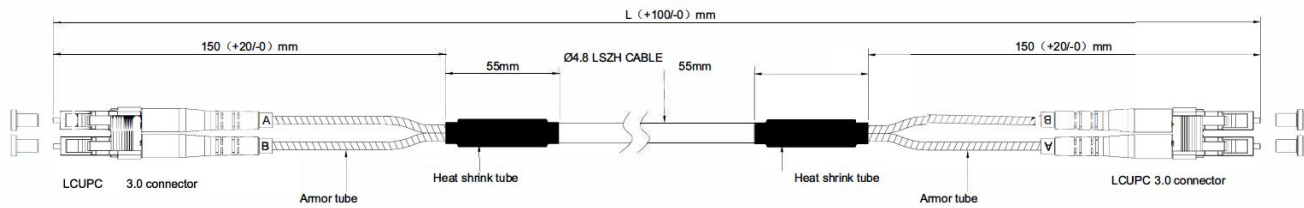
Characteristic of Optical Cable

- Min. bending radius
- Static: 10 x cable diameter
- Dynamic: 20 x cable diameter

Application temperature range

- Operation: - 20℃ ~ +70℃
- Installation: -20℃ ~ +60℃
- Storage/transportation: - 20℃ ~ +70℃

Patch cord Specification



ITEM	PARAMETER
Connector type	LC-LC
Insertion Loss	<0.3dB(max) ,0.2dB (typical)
Return Loss	SM>50dB, APC>60dB, MM>35dB
Repeatability	<=0.1
Interchangeability	<=0.2dB
Durability	<=0.2dB
Fiber Length	1m, 2m... any length optional.
Length and tolerance	10cm
Operating Temperature	-20C ~ +70C
Storage Temperature	-20C ~ +70C

Application

- 3G,4G,5G base station cabling
- Aerospace & Defence
- Equipment diagnosis
- FTTA ,FTTP, FTTX,WIMAX
- BBU, RRU, RRH, LTE

Features

- Open bulkhead for easy access to SFP
- Positive mechanical feedback to operator when fully mated
- One-hand mating
- Plug has tolerance free design, fully free floating on Z-axis
- No Cable buckling during or after installation
- Cost effective metal die cast bulkhead
- Field installable version available
- Water proof, dust proof and corrosion resistant

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meet the requirements of relevant standards;
- The mechanical characteristics of jacket meet the requirements of relevant standards;
- Soft, flexible, water blocked, UV resistant, easy to lay and splice, and with big capacity data transmission;
- Meet various requirements of market and clients
- Bulkhead cutout allows for removal of transceiver through the bulkhead (no need to open PRH for transceiver replacement)
- Robust bayonet locking for easy, fast, and secure mating