

Outdoor Waterproof Optical Cable Assemblies

Outdoor Waterproof Optical Cable Assemblies are specially designed for outdoor harsh environment for protection optical cable assemblies to be waterproof, anti-rodent, anti UV etc. We provide high-quality IP68 waterproof fiber cable assemblies with ODVA, Fullaxs, PDLC, CPRI and NSN. These high performance waterproof outdoor optical cable assemblies can be used for FTTH, ONU, CATV, Base station in harsh environment.



1. Outdoor Waterproof Fiber Cable Pigtails for CCTV

Outdoor Waterproof Fiber Cable Pigtails can be used in harsh environment. It is mainly used in outdoor connection of the optical transmitter. Waterproof fiber pigtail is designed with a stainless steel strengthened waterproof unit and armored outdoor PE jacketed cables.



Waterproof Cable Pigtails are 2, 4, 6, 8, 12 fibers optional

Specifications

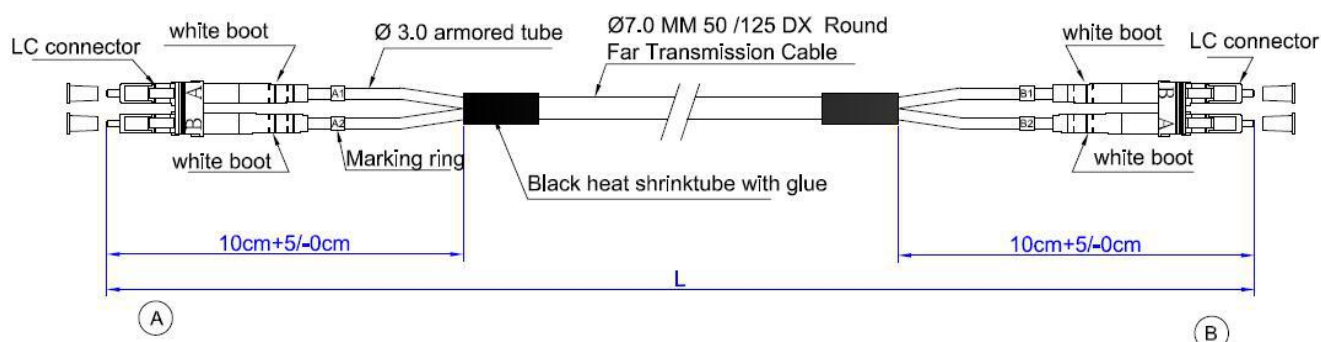
Parameter	Waterproof cable pigtail / patch cord			
	SM			MM
	PC	UPC	APC	PC
Insertion loss (typ.)	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Return loss (typ.)	≥45dB	≥50dB	≥60dB	≥35dB
Operating wavelength	1310/1550nm			850/1300nm
Numbers of fiber	2, 4, 6, 8, 12 fibers optional			
Fan-out cable type	2.0mm color-coded jacketed sub-units			
Assembly connector	FC, SC, ST, LC, E2000 etc.			
Exchangeability	≤0.2dB			
Operating temperature	-40°C~75°C			
Storage temperature	-45°C~80°C			

2. FTTA Outdoor DLC-DLC CPRI Armored Cable Assembly for RRU

The FTFA Outdoor CPRI fiber optic cable assembly is used to transmit signals between BBU and RRU or between RRUs. And the GYFJH outdoor fiber optic cable is classified into Single-mode & Multi-mode optical fiber. We supply FTFA outdoor fiber optic patch cord with armored or non-armored optional.

		
<p>DLC CPRI Armored Cable Assembly</p>	<p>NSN Boot DLC CPRI Optical Cable Assembly for RRU</p>	<p>NSN Boot DLC CPRI Cable Reel</p>

CPRI DL/DLC Patch cord Assembly Drawing:



Cable Parameters

Fiber Count	Cable Dimension	Cable Weight	Tensile N		Crush N/100mm		Min. Bend Radius mm		Temperature
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
2	7.0mm	42.3kg/km	200	400	1100	2200	20D	10D	-30-+70

Note:

1. All the values in the table, which are for reference only, are subject to change without notice;
2. The cable dimension and weight are subject to the simplex cable of 2.0 outer diameter;
3. D is outer diameter of the round cable;

Cable Parameters





Fiber Count	2 Fibers	
Fiber Type	SM G657A, or MM 50/125 or MM 62.5/125	
Buffer	Diameter	900um±10um
	Material	LSZH
Simplex cable	Diameter	2.0mm±0.1mm
	Material	LSZH
	Color	SM: Blue and Yellow / MM: Orange and grey
Filler	Diameter	2.0mm±0.1mm
	Material	LSZH
	Color	Black
Strength Member	Kevlar	
Jacket	Diameter	7.0±0.1mm
	Material	LSZH
	Color	Black

3. ODVA Outdoor Waterproof Optical Cable Assembly for FTTA

Outdoor IP67 Industrial ODVA connector assembly is designed for outdoor waterproof connector attaches to adapter on panel of RRH. The common LC connector pair inside allows easier testing and cleaning. There are two types of connector plugs available: threaded and easy-connect bayonet. This ODVA waterproof cable is a typical outdoor use fiber cable, suitable for different temperature and weather, especially ideal for FTTA and harsh environment use.


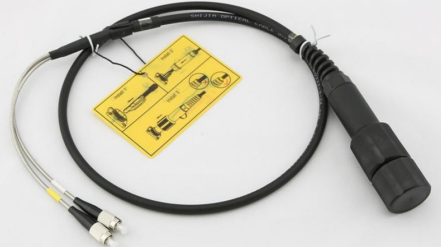


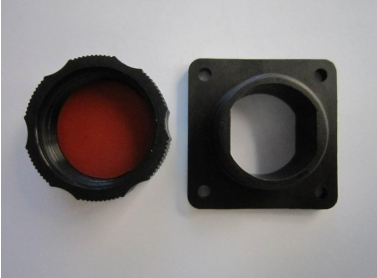

		
ODVA-LC FTTA Cable Assembly	ODVA-SC FTTA Cable Assembly	ODVA-MPO FTTA Cable Assembly

ODVA Adapter & Closures

			
ODVA Enclosure Adapter	ODVA In-line Adapter	ODVA Indoor Enclosure	ODVA Outdoor Enclosure

4. Outdoor FTTA PDLC Fiber Patch cords, used for 3G, 4G and Wimax Base Station

The PDLC assembly, designed with standard DLC connector, are widely used in FTTA and other harsh outdoor application and becoming the standard interface specified in 3G, 4G and WiMax Base Station remote radios and Fiber-to-the-Antenna applications. The standard size of duplex LC connectors and the outer housing with metal or plastic protective device makes the connecting safe and reliable and have the functions of waterproof, dust-proof. Our PDLC cable assemblies have passed tests like salt mist, vibration and shock and meet protection class IP67 and are perfect for industrial networks and harsh environments where providing protection from moisture, chemicals, corrosive gases and liquids.

		
PDLC-DLC Outdoor Assembly	PDLC-2xFC Outdoor Assembly	PDLC-2xST Outdoor Assembly
		
PDLC Adapter	PDLC Adapter Plug	PDLC Outdoor Assembly Reel

5. FULLAXS Fiber to the Antenna Rugged Interconnect

To meet the needs of the next generation WiMax and long term evolution(LTE) fiber to the antenna (FTTA) connection design for outdoor use harsh requirements, has released the FullAXS connector system, which provides the remote radio between the SFP connection and the base station, used for Telecom applications. This new product to adapt the SFP transceiver provides the most widely in the market, so that end users can choose to meet the specific requirements of the transceiver system.

		
Fullaxs(LC)-DLC FTTA Cable Assembly	Fullaxs(LC)-Fullaxs(LC) Jumper	Fullaxs Enclosure Adapter

6. Mini SC Pre-Terminated 5.0mm Round Drop Cable Jumper

Huawei Mini SC pre-terminated OSP 5.0mm Round drop cable jumpers provide easy FTTx installation and termination using existing hardware and installation methods for drops to homes and businesses. Its flat profile is compatible with existing wedge (P) clamps. The Ruggedized Connector, an outside plant Mini SC/APC, is compatible with industry standard OSP terminals.

		
MINI-SC FTTA Cable Assembly	MINI-SC Enclosure Adapter	MINI-SC Outdoor Enclosure