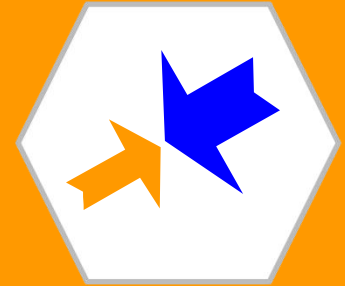


Manufacturer&Supplier of Professional Fiber Optic Cabling System

*Products & Services & After sales*



# Wirenet Telecom Technology Co.,Ltd

深圳威尔特通信科技有限公司

2023 VERSION

Add: 2rd floor, 2 Building, Jingheyuan Industry Park, No.2004 Xuegang Road, Bantian Street,  
Longgang District, Shenzhen, China

Tel: 86-755-28461866 Fax: 86-755-28461781

Website: <http://www.wirenetfiber.cn>



# Fiber Optic Waterproof Connector

WIRENET WATERPROOF CONNECTOR SERIES



# Catolog

- Optitap-SC
- Optitap-sc field assembly version
- Huawei MINI IP(SC/LC/MPO)
- Huawei mini SC field assembly version
- 3 in 1 mini IP SC field assembly version
- ODVA/LC/SC/MPO
- PDLC
- FULLAXS
- NSN
- ODC
- PDLC&DLC Outdoor Fiber Optic Assembly
- Waterproof connector patchcord

WIRENET

FIBER OPTIC WATERPROOF  
CONNECTOR SYSTEM

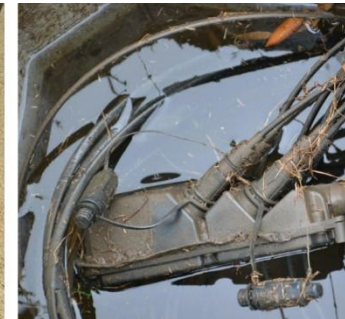


## Waterproof connector and cables

### Optitap-SC



When MSOs deploy fiber to the home (FTTH), every component is critical, but none more so than what is often considered to be a keystone component ... the hardened connector. These connectors, used alone or integrated into hardware products, must be able to protect against environmental factors common in the outside plant, such as extreme temperatures, moisture, humidity, and other harsh conditions. They also form the connections that can make or break a network. When deploying hardened connectors, reliability is crucial



### OptiTap Connector Mechanical Performance Testing

Flex test:	+/- 90 degree 8 cycles @-40 °C and +40 °C
Cable Torsion:	+/- 90 °C 10 cycles @-40 °C and +40 °C
Proof Test:	740N plug -Cap
Transmission Under Tensile Load	44N@0 to 90 ° load angle @-40 °C
Durability:	50 matings
Impact:	5m drop 3 axes onto rigid surface
Seal under Load:	Combination of water resistance and tensile load ,7 days
Compression test :	1330N@-40 °C and +40°C 15mins
Rodent Resistance:	Harness Rockwell R87

# Waterproof connector and cables

## Optitap-SC field assembly connector



## Optitap-SC field assembly version

Optitap-SC field assembly connector with unique design to be preinstalled fiber in the connector. It allows the installer to install in a harsh environment quickly. These connectors, used alone or integrated into hardware products, must be able to protect against environmental factors common in the outside plant, such as extreme temperatures, moisture, humidity, and other harsh conditions. They also form the connections that can make or break a network. When deploying hardened connectors, reliability is crucial

OptiTap Connector Mechanical Performance Testing	
Flex test:	+/- 90 degree 8 cycles @-40 °C and +40 °C
Cable Torsion:	+/- 90 °C 10 cycles @-40 °C and +40 °C
Proof Test:	740N plug -Cap
Transmission Under Tensile Load	44N@0 to 90 ° load angle @-40 °C
Durability:	50 matings
Impact:	5m drop 3 axes onto rigid surface
Seal under Load:	Combination of water resistance and tensile load ,7 days
Compression test :	1330N@-40 °C and +40°C 15mins
Rodent Resistance:	Harness Rockwell R87



## Waterproof connector and cables

### MINI IP

### Mini IP(LC,SC,MPO) for Huawei



#### Connector option

- MINI-SC
- MINI-LC
- MINI-MPO

#### Feature

- **Indoor / outdoor lead-in cable:**  
eliminate the transmission requirements of indoor ONT
- **MINI-SC connector technology**  
the current industry standard for FTTx installation
- **Design flexibility**  
Quickly connect the externally installed bulkhead adapter to the cover or terminal
- **Robust design**  
The integrated pull ring / connector cover on the MINI-SC connector is designed for a maximum pulling force of 100 pounds and can be pulled out through a 1.25-inch catheter



## Waterproof connector and cables

### Huawei mini SC field assembly version

### Mini SC field assembly for Huawei



#### Connector option: MINI-SC

#### Feature

- Waterproof level : IP67;
- Compatible with ESC250D, fast connector;
- Field installation, easily mounted on the field mount optical connector, don't need any specific tools or devices;
- Low insert loss and high return loss;
- High mechanical strength performance;
- PEI material, Acid and alkali resistance, Ultraviolet resistant;
- Outdoor use, 20-year service life



## Waterproof connector and cables

### 3 in 1 mini IP SC field assembly version

#### Features

- Waterproof level: IP67;
- Compatible with Slim connector;
- Fully compatible with the connector systems of Furukawa slim connector;
- Low insert loss and high return loss;
- High mechanical strength performance;
- PEI material, Acid and alkali resistance,
- Ultraviolet resistance;
- Outdoor use, 20-year service life;
- Apply to Field Assembly Optical Connector type: Slim/APC、 Slim/PC;

### Mini SC field assembly for Huawei, Optitap& Furukawa







## Waterproof connector and cables

### ODVA for AMP

#### ODVA

#### Description

The ODVA connectors meet IP68 environmental sealing ratings and are the ideal choice for a low cost, easy to use solution in Industrial, Fiber to the Antenna (FTTa), or any other harsh environmental applications. Our offering includes SC/Simplex (1-fiber) , LC/Duplex (2-fiber), MPO/MTP (12 fibers)

#### Features

- Low Cost
- Available in SC Simplex and LC Duplex Configurations
- Singlemode and Multimode Capabilities
- Full Environmental Sealing



## Waterproof connector and cables

### PDLC



PDLC adapter



### PDLC connector for ZTE

#### Description

PDLC connectors and required optical cables have become standard interfaces for 3G, 4G and wireless base station remote radio, fiber to antenna, etc. This product is not only used in these fields, but also very suitable for industry, aerospace and defense. The optical cable assembled by PDLC has passed the salt spray test, and the waterproof rating reaches IP67.

#### Feature

- Standard and LC dual-core connectors, connect LC dual-core adapters well
- Single-mode and multi-mode
- IP67 grade, passed the salt spray test, waterproof and dustproof;
- Rubber material, compact design
- Can be applied in different temperature ranges, used indoors and outdoors
- Easy to operate, reliable and cost-effective to install



## Waterproof connector and cables

### FULLAXS



### FULLAXS-LC for AMP

#### Feature

- Open architecture with direct access to transceiver (SFP)
- “Full-float” design in the Z-axis direction, can be adapted to various mainstream transceivers on the market
- The connection design of fiber cable and protective separation ensures that the LC connector and SFP are perfectly connected
- The connection mechanism helps operators confirm the connection is in place through clear mechanical feedback, and can be installed and operated with one hand
- You can directly replace the RRH optical end device without opening the RRH cabinet
- Easy, fast and safe installation bayonet design
- Waterproof, dustproof and corrosion resistant



## Waterproof connector and cables

NSN

NSN

### Description

NSN connectors and required optical cables have become standard interfaces for 3G, 4G and wireless base station remote radio, fiber to antenna, etc. This product is not only used in these fields, but also very suitable for industry, aerospace and defense. The optical cable assembled by NSN has passed the salt spray test, and the waterproof rating reaches IP67.

### Feature

- Standard and LC dual-core connectors, connect LC dual-core adapters well
- Single-mode and multi-mode
- IP67 grade, passed the salt spray test, waterproof and dustproof
- Rubber material, compact design
- Can be applied in different temperature ranges, used indoors and outdoors
- Easy to operate, reliable, and cost-effective to install





## Waterproof connector and cables

### ODC



### Apply to

- Intelligent substation control systemLa Yuan Communication Base Station
- FTTA (Fiber to Tower)Aerospace Communication System Military field communication Railway
- mine, oilfield communication system Ship carrier monitoring, control and communication systemIndustrial and military applications

### ODC outdoor waterproof connector for corning

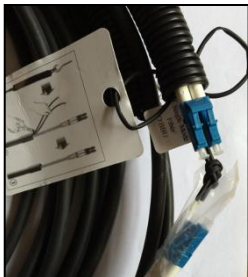
#### Features

- The contact parts adopt a standard MT core interface. The MT core interface can reach up to 24 cores. The performance is reliable, the operation is simple, and the integration is high.
- Stainless steel SUS316 material, corrosion, good mechanical performance;
- The mechanical thread locking mechanism can ensure long -term reliable connection;
- Design with orientation positioning insertion, you can use one -handed blind insertion to simply and quickly complete the connection installation;
- Seal design: have the characteristics of dustproof and waterproof, the protection level can reach IP67;
- Small appearance, convenient operation, sturdy and durable;
- Pole sealing design can be fixed on the device through the screw;
- No melting, that is, plug and play, convenient and fast;
- Optical cable components can be made into multiple standard forms of connecting heads, which apply various use requirements; components connect armor optical cables, resistance and durability;

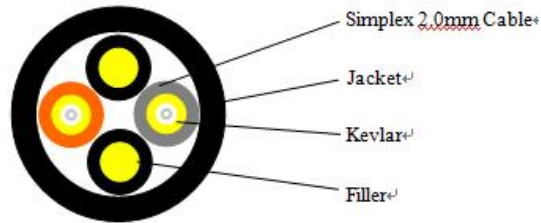
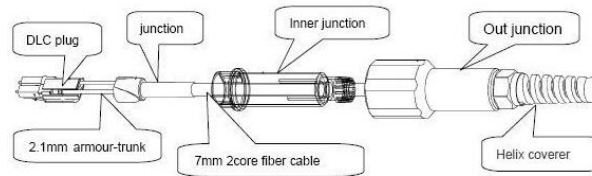


# Waterproof connector and cables

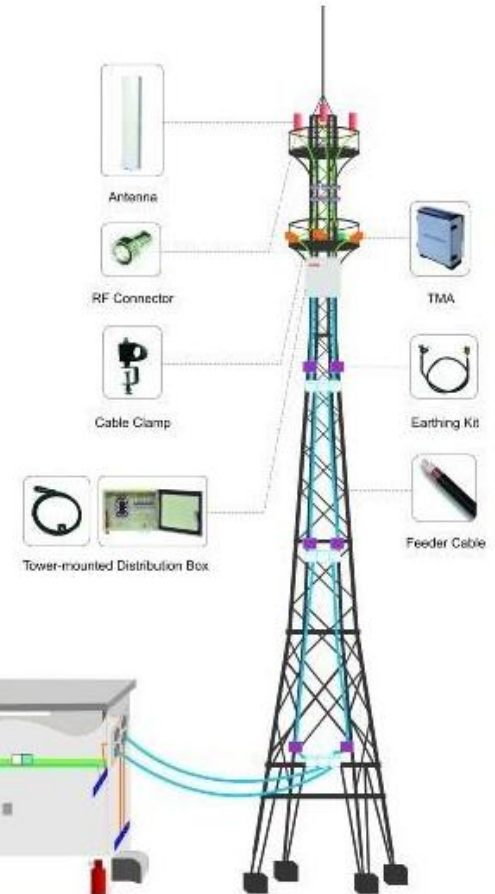
## PDLC&DLC Outdoor Fiber Optic Assembly



Optical connector is used from indoor to outdoor. Especially in 3G/4G communication network, base station is applied more and more, building Base Band Unit (BBU) connects Radio Remote Unit (RRU) is used for duplex outdoor cable. Our outdoor cable connector is the leading solution for harsh environment.



## Waterproof connector assembly

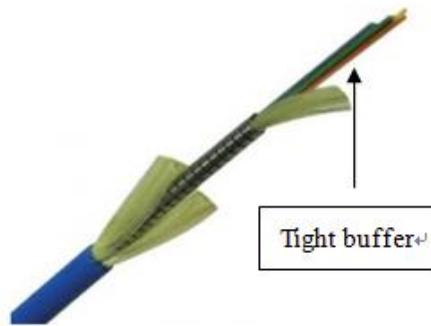




## Waterproof connector and cables

waterproof connector related cables

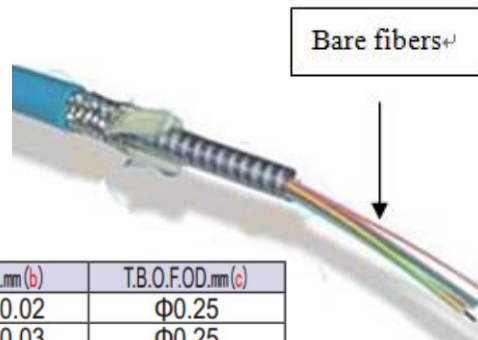
### Waterproof connector related cables



### MULTI-FIBER TIGHT-BUFFERED ARMORED FIBER OPTICAL CABLE

FIBER COUNT	CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
4	4.5GJFJKV-4S	$\Phi 4.5 \pm 0.2$	$\Phi 2.4 \pm 0.02$	$\Phi 0.5$
6	4.5GJFJKV-6S	$\Phi 4.5 \pm 0.2$	$\Phi 2.6 \pm 0.03$	$\Phi 0.5$
8	5.0GJFJKV-8S	$\Phi 5.0 \pm 0.2$	$\Phi 2.8 \pm 0.05$	$\Phi 0.5$
10	5.0GJFJKV-10S	$\Phi 5.0 \pm 0.25$	$\Phi 3.0 \pm 0.05$	$\Phi 0.5$
12	5.5GJFJKV-12S	$\Phi 5.5 \pm 0.25$	$\Phi 3.2 \pm 0.05$	$\Phi 0.5$
24	7.0GJFJKV-24S	$\Phi 7.0 \pm 0.3$	$\Phi 4.3 \pm 0.05$	$\Phi 0.5$

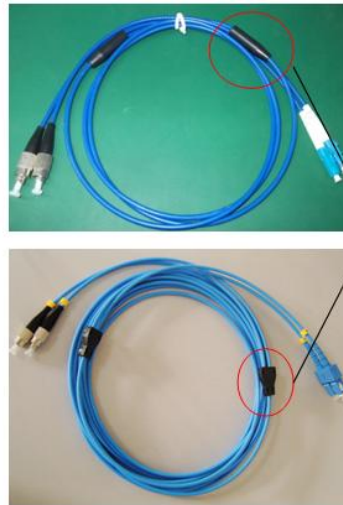
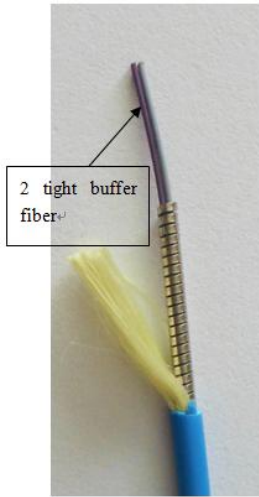
### MULTI-FIBER Bare fiber ROUND ARMORED FIBER OPTICAL CABLE



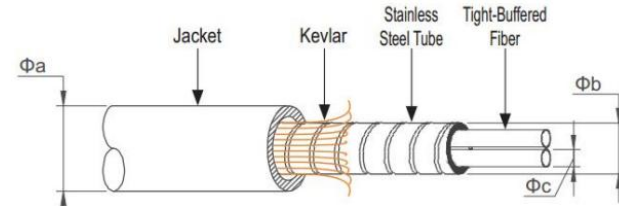
FIBER COUNT	CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
12	3.0GJSJV-12S	$\Phi 3.0 \pm 0.2$	$\Phi 2.0 \pm 0.02$	$\Phi 0.25$
12	3.5GJSJV-12S	$\Phi 3.5 \pm 0.2$	$\Phi 2.2 \pm 0.03$	$\Phi 0.25$
12	4.2GJSJV-12S	$\Phi 4.2 \pm 0.2$	$\Phi 2.2 \pm 0.05$	$\Phi 0.25$



## Waterproof connector related cables



## Duplex Round tight-buffered armored fiber optical cable



CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
3.0GJFKV	Φ3.0±0.2	Φ1.8±0.05	Φ0.5
3.5GJFKV	Φ3.5±0.2	Φ1.8±0.05	Φ0.5
4.8GJFKV	Φ4.8±0.2	Φ2.4±0.05	Φ0.9

## Simplex



CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
1.6GJFKV	Φ1.6±0.1	Φ0.6±0.02	Bare Fiber 0.25
1.8GJFKV	Φ1.8±0.1	Φ0.9±0.03	Φ0.5
2.0GJFKV	Φ2.0±0.1	Φ0.9±0.03	Φ0.5
2.4GJFKV	Φ2.4±0.1	Φ0.9±0.03	Φ0.5
2.8GJFKV	Φ2.8±0.1	Φ0.9±0.03	Φ0.5
3.0GJFKV	Φ3.0±0.1	Φ1.4±0.05	Φ0.9

## Zipcord duplex



CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
1.8GJFKBV	Φ1.8±0.1	Φ0.9±0.03	Φ0.5
2.0GJFKBV	Φ2.0±0.1	Φ0.9±0.03	Φ0.5
2.4GJFKBV	Φ2.4±0.1	Φ0.9±0.03	Φ0.5
2.8GJFKBV	Φ2.8±0.1	Φ0.9±0.03	Φ0.5
3.0GJFKBV	Φ3.0±0.1	Φ1.4±0.05	Φ0.9



14 Years

Manufacturer&Supplier of Professional Fiber Optic Cabling System



**Thank you for your reading!**

深圳威尔特通信科技有限公司

2023 VERSION

Add: 2rd floor, 2 Building, Jingheyuan Industry Park, No.2004 Xuegang Road, Bantian Street,  
Longgang District, Shenzhen, China

Tel: 86-755-28461866 Fax: 86-755-28461781

Website: <http://www.wirenetfiber.cn>