

## PLDC Outdoor Waterproof Fiber Optic Connector

### Product Description

The PLDC waterproof fiber optic connector is characterized by adding a metal protection device outside the standard duplex LC connector. The connection is safe and reliable, and it has the characteristics of waterproof and dustproof. It is mainly used in remote wireless base station FTTH (fiber-to-tower) and outdoor optical fiber connections where waterproofing is required. Mainly used in: optical fiber communication in harsh outdoor environments, remote communication base stations, smart substations, military communication equipment, railway signal control, mines and other harsh environments.



2-core conversion socket (PDLC-S)



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### Applications

- Smartcom substation, pull far communication base station
- Mobile outdoor base station equipment
- Communication vehicle transmission, long-distance space transmission, portable transmission tools for communication soldiers
- High-speed railroad, highway signal control
- Coal mines, oil wells, natural gas, etc.
- Geological exploration communication
- Emergency rescue fiber optic communication



### Connector Parameter

Insertion loss		≤0.5dB
return loss	Single mode	≥50dB
Mechanical properties	Plug	≤500N (Main cable)
Operating temperature	Socket	≤30N (Branch cable)
Protection level		-40°C ~ 85°C
Insertion loss		IP67

### Optical Cable Parameter

Cable diameter	5.0mm
Sheath material	LSZH 、 TPU、 PVC
Length	2-2000m
Fiber type	9/125、 50/125、 62.5/125
fiber optic cladding	900um Tight Fiber
Tensile strength	Short-term: 600N Long-term: 200N
Operating temperature	-40°C ~ 85°C

