

## ODC Series Fiber Optic Connectors

### Product Description

ODC outdoor fiber optic connectors have a rugged structure, reliable connection, waterproof and dustproof, etc., and are widely used for optical transmission connection in the harsh outdoor environment such as FTTA (fiber to the tower) of long-distance wireless base stations and mines, sensing and electric power. Suitable for outdoor environment, can withstand severe environmental conditions and harsh climate conditions.



### Features

- Thread locking mechanism for long-term reliable connections
- Guiding mechanism, which can be blindly inserted with one hand for simple and quick connection and installation
- Sealing design: water-proof, dust-proof, corrosion-proof, etc
- Compact shape, easy to operate, sturdy and durable
- Through-wall sealing design
- Reduces fusion connection and can be interconnected by direct butt plugging.

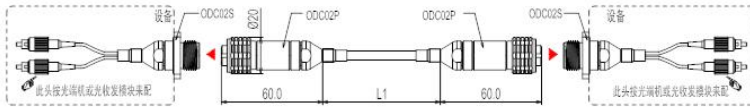
### Applications

- Fiber optic communication use in harsh outdoor environments
- Oilfield and mining communication connections
- Long-distance wireless base stations
- Video surveillance systems
- Intelligent substation station communication;
- Railroad signal control use





Common branch connector connectors



Examples of common connection schemes

### Product Parameter

Categories	Indicator requirements
Insertion loss	Single-mode $\leq 0.60\text{dB}$
	Multimode $\leq 0.50\text{dB}$
Return loss	Single-mode $\geq 50\text{dB}$
Reciprocity	$\leq 0.2\text{dB}$
Operating temperature	$-45^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Mechanical properties	Plug pull $\geq 500\text{N}$
	Socket pull $\geq 30\text{N}$
Mechanical life	1000 times
Protection level	IP68



### Model naming

Series Model	ODC	02P	-	FC	P	-A	-	SM	-	4.0
One-end component type	02P--2 core socket 02S--2 core plug 04P--4 core socket 04S--4 core plug XXX--Other specified types									
Connector on the other end	FC--FC Connector SC--FC Connector LC--FC Connector ST--FC Connector ODC--ODC Connector									
When the other end is ODC	P--socket S--plug FC/SC/LC/ST connectors are not available here.									
Connector Type	A--One-pin arrangement B--Pin "tic-tac-toe" arrangement									
Fiber Type	SM--Single-mode SMF_28e 9/125 MM--Multimode 62.5/125 M3--Multimode 50/125 OM3 XX--Other custom fiber optics									
Fiber optic cable type	4.0--Φ4.0 Multi-core fiber optic cable 5.0--Φ5.0 Multi-core fiber optic cable XX--Other custom fiber optic cables									

