

# Outdoor MINI Plug & Socket Optical Fiber Connector

## 1. Product Description

Conventional ordinary optical fiber connectors or optical fiber fusion splicing are externally connected by adding special materials. The optical fiber connectors that can be used under harsh conditions are called prefabricated optical fiber connectors. The outdoor MINI special prefabricated optical fiber connector launched by SHKE has extremely strong anti-rust and anti-corrosion capabilities and excellent mechanical properties, and can be used under harsh conditions.

Connector	Name	Optical patch cord	Name
	Outdoor MINI MT Square socket		φ2.0-MPO/MTP-LC Optic patch cord
	Outdoor MINI MT plug		Φ7.0-MPO/MTP-LC optic patch Cord

## 2. Product Features

1. Contacts use standard MT ferrule interface, MT ferrule interface. up to 24 cores, reliable performance, simple operation and high integration.
2. Made of stainless steel SUS316, anti-corrosion, in good mechanical properties.
3. Mechanical thread locking mechanism can ensure long-term reliable connection.
4. Designed with guide pins, easy to insert and fast connection.
5. Sealed design: with dustproof and waterproof features, the protection level can reach IP67.
6. It is compact in size, easy to operate, and durable.
7. Perforated seal design, you can fix the socket connector on the device by screws.
8. No welding, plug and play, convenient and fast.
9. The optical cable assembly can be made into various standard connectors.
10. The longitudinal three-stage guide alignment structure makes the connection more reliable.

### 3. Product Application



Intelligent substation control system



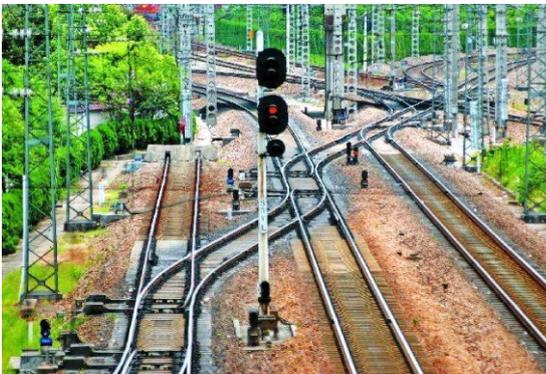
Remote communication base station, fiber to the tower (FTTA).



Aerospace communication system



Military field communication



Railway communication system



Mine communication system



Oil field communication system



Shipborne surveillance, control and Communication system.

## 4. Connector Parameter

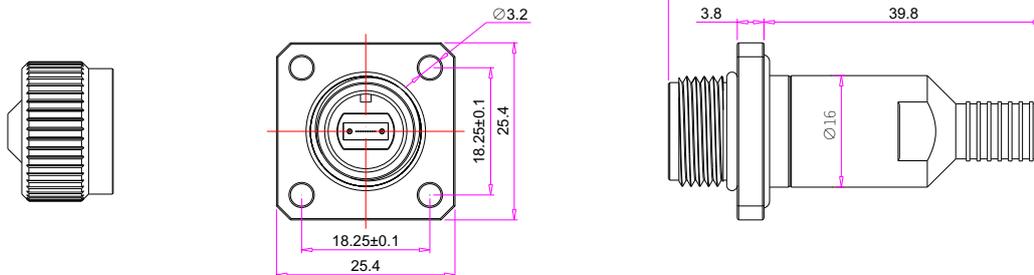
ITEM	CHARACTERISTICS
Insertion Loss	SM 1.5dB
	MM 1.2dB
Return Loss	SM 50dB
	MM 25dB
Tensile resistance	6.0 $\geq$ 500N; 3.0 $\geq$ 100N; 2.0 $\geq$ 80N
Resistant to salt spray	Lasts 1000h
Operating temperature	-40 $^{\circ}$ C ~ +85 $^{\circ}$ C
Protection class	IP67
Environmental RHOS	Materials all meet RHOS standards

## 5. Related Optical Cable Parameter

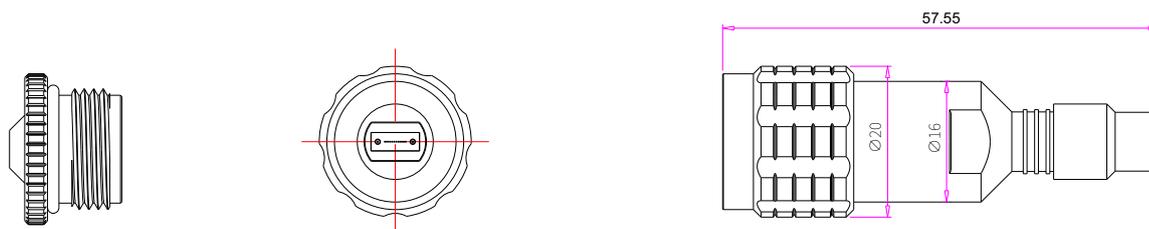
ITEM	CHARACTERISTICS
Cable Diameter	7.0mm or other
Sheath Material	LSZH or TPU
Tensile unit	KELVR
Fiber type	9/125;50/125;62.5/125
Tensile strength	Short term500N ;long term200N
Allow flattening force	1000N/100mm
Operating temperature	-40 ~+80

## 6. Connector Drawing

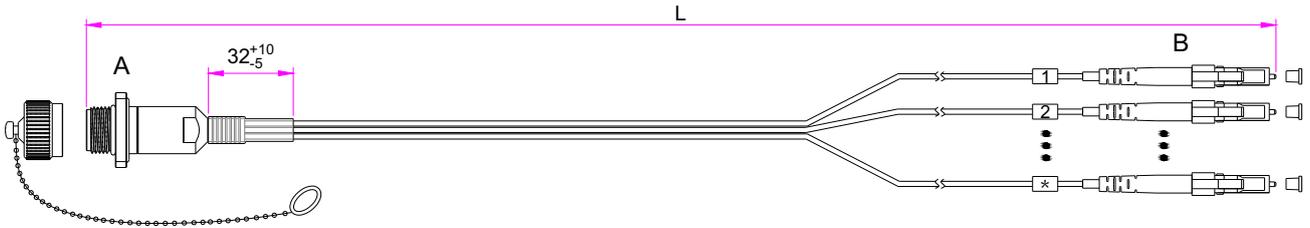
Outdoor MINI MT Square socket



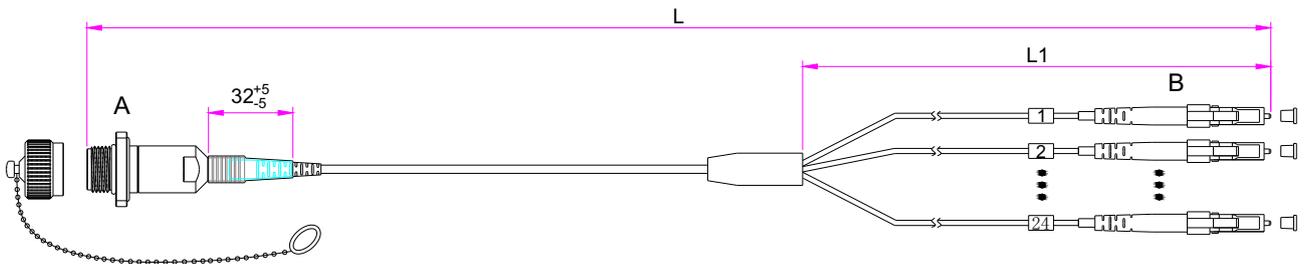
Outdoor MINI MT plug



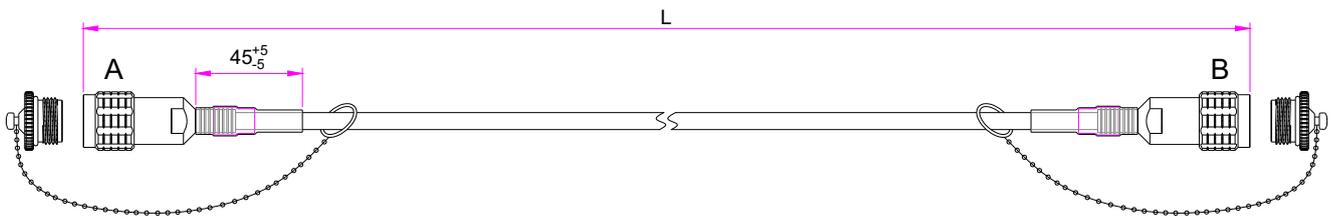
Outdoor MINI MT square socket-LC-4B/12B optic patch cord



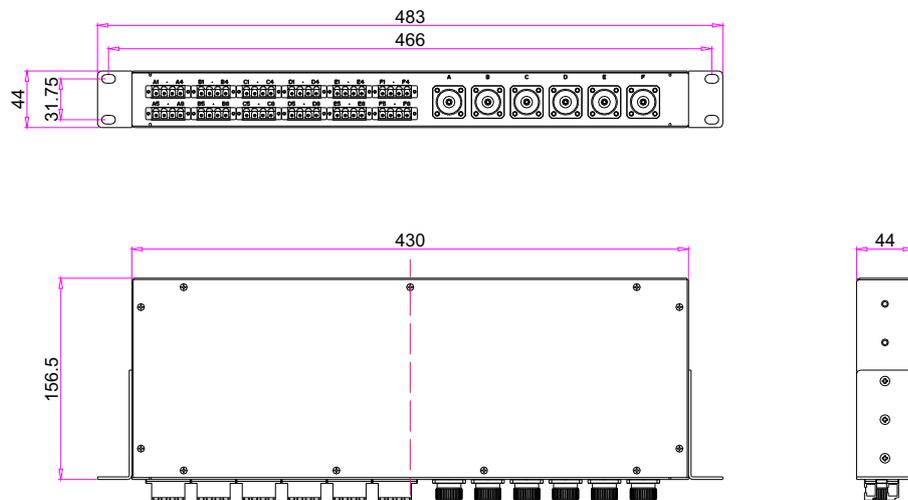
Outdoor MINI MT square socket-LC-24B optic patch cord



Outdoor MINI MT plug -MINI MT plug optic patch cord



12x4LC-Outdoor mini connector patch panel



## 7. Routine application

