

FTTA Outdoor IP67 Waterproof 12/24Cores ODC Plug To ODC Socket

- For FTTA Solution



Product Overview

This is a heavy-duty, environmentally sealed jumper cable used to make final connections in outdoor telecommunications infrastructure. A Remote Radio Unit (RRU) is mounted near the antenna at the top of the tower. This unit has an ODC Socket port. They plug another cable (or the trunk cable itself) into the female ODC Socket end of this assembly. The connection is made instantly. The push-pull mechanism ensures it's secure, and the IP67 rating guarantees it will survive rain, ice, and dust.

Connector	Product Name	Patch Cables	Product Name
	Outdoor MINI MT Square socket		Φ 2.0-MPO/MTP-LC Optic patch cord
	Outdoor MINI MT plug		Φ 7.0-MPO/MTP-LC optic patch Cord

Keyed Characteristics

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

Connector Parameter

Item	Characteristics
Insertion Loss	SM≤1. 5dB MM≤1. 2dB
Return Loss	SM≥5 0 d B MM≥25dB
Tensile Resistance	Φ6.0≥500N;Φ3.0≥100N ;Φ2.0≥80N
Resistant to Salt Spray	Lasts 1000h
Operating Temperature	-40℃ +85℃
Protection Class	IP67
Environmental RoHs	Materials all meet RHOS standards

Related Optical Cable Parameter

Item	Characteristics
Cable Diameter	Φ7.0mm or other
Sheath Material	LSZH or TPU
Tensile Unit	Kevlar
Fiber Type	9/125μm; 50/125μm; 62.5/125μm
Tensile Strength	Short Term 500N Long Term 200N
Allow Flattening Force	1000N/ 100mm
Operating Temperature	- 40℃ +80℃

Product Application



Intelligent substation control system



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



Aerospace communication system



Military field communication



Railway communication system



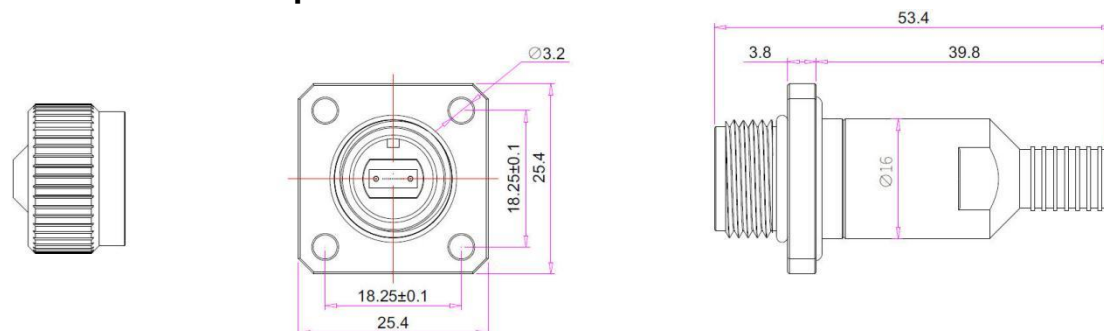
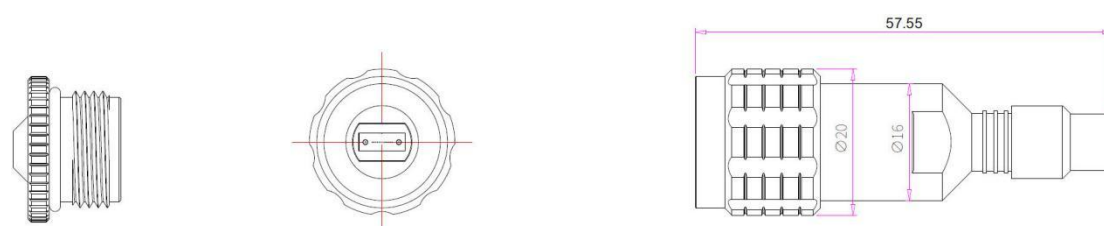
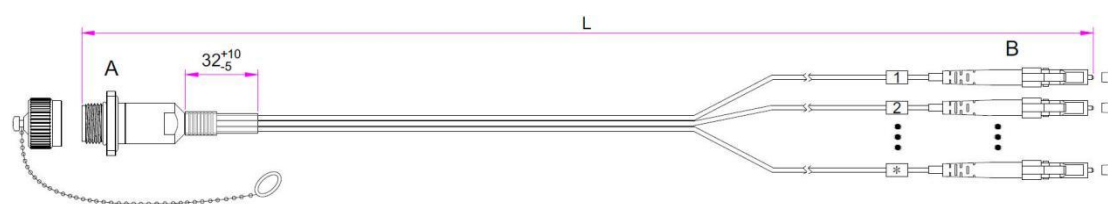
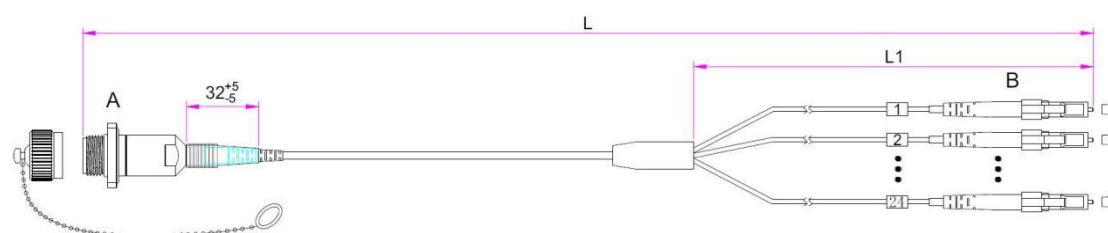
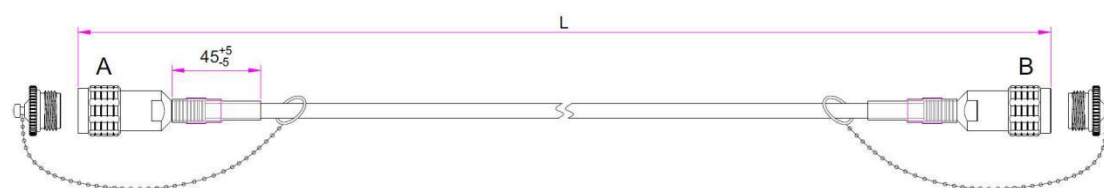
Mine communication system

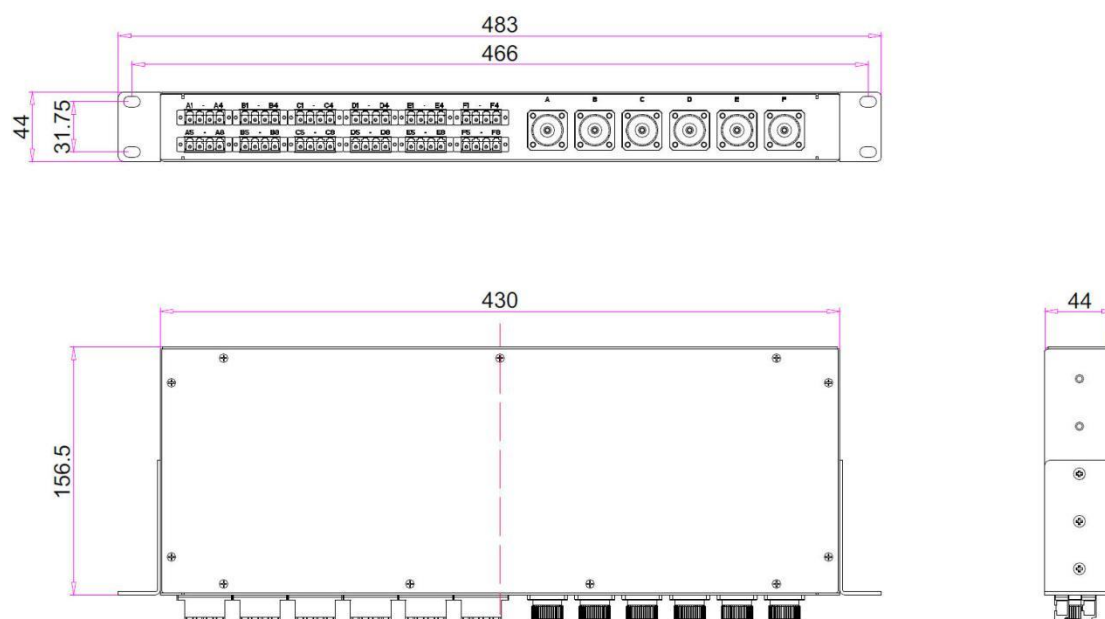


Oil field communication system



Shipborne surveillance, control and Communication system

Connector Drawing**Outdoor MINI MT Square socket****Outdoor MINI MT plug****Outdoor MINI MT square socket-LC-4B/12B Optical Patch Cables****Outdoor MINI MT square socket-LC-24B Optical Patch Cables****Outdoor MINI MT plug -MINI MT plug Optical Patch Cable**

12x4LC-Outdoor mini connector Patch Panel**Routine Application**