



Product Data Sheet

Product Type Optical Fiber Plug

Product Model SO2MH

Customer Name _____

Manufacturer	Prepared	Checked	Approved

Customer	Received	Checked	Confirmed



Product Data Sheet

Product Type	Optical Fiber Plug	
Product Number	SO2MH	
Product Features		
➤ Robust and reliable dual-channel fiber plug with rugged metal housing ➤ Reliable push-pull locking mechanism ➤ Suitable for electrical connection under outdoor conditions with protection grade IP65 ➤ Match with SO2DF or standard optical LC connectors ➤ 4-core signal pin is optional ➤ This plug is pre-assembled with fiber optic cable and is not available as a separate connector. The fiber cable is available in single and multi mode in different customized lengths and packaging.		



Product Data Sheet

Product parameters

Item	Specification
Connection type	Optical fiber
Gender	Male

Mechanical Parameters

Item	Specification
Service life	> 5000 mating cycles
Insertion force	< 45 N
Locking device	Push-pull

Material and Environmental Parameters

Item	Specification
Housing	SUS
Push-button	Zinc alloy
Tube	SUS
Insert	PA
Protective Cover	Silicone rubber
Temperature range	-40°C ~ +75°C



Product Data Sheet

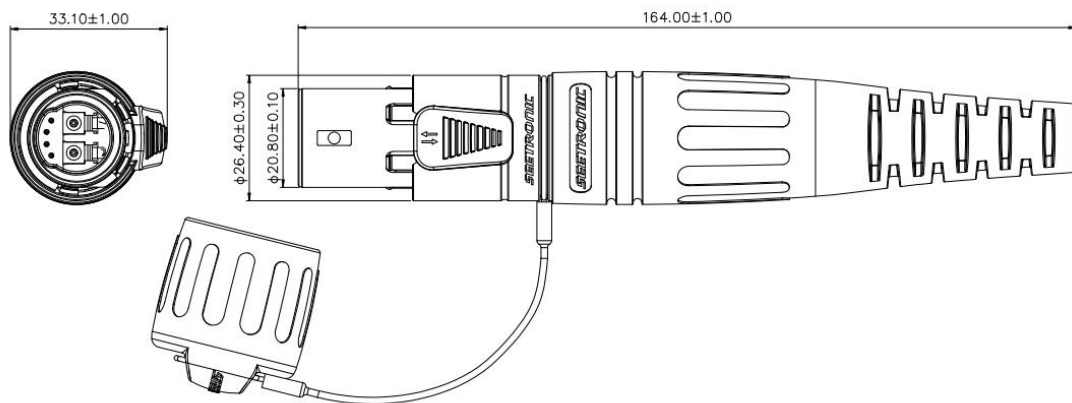
Fiber Optic Cable Parameters and Optical Properties

Item	Specification
Insertion loss	SM 100M < 0.45 dB / connection MM 100M < 0.65 dB / connection
Optical connector	LC-Duplex (PC or APC)
Optical wiring	ISO / IEC 11801
Cable color	Black
Fiber diameter	Single-mode 9 µm, Multi-mode 50 µm
Cladding diameter	125 µm
Outer jacket material	TPU
Minimum bending radius	5 cm
Number of fibers	2
Weight	30 kg/km for 5mm ; 80kg/km for 8mm
Cable diameter	5mm, 8mm (optional)



Product Data Sheet

Product Drawing



Unit: mm

Packaging Method

The plug comes pre-assembled with fiber cable and is not available as a separate connector.

Accessory

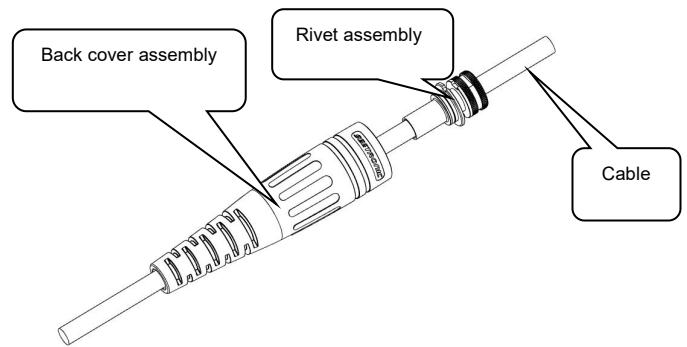
- | | |
|--|--|
| ☒ No accessories | ☐ Back fastener plate |
| ☐ Screws and Nuts | ☐ Other |



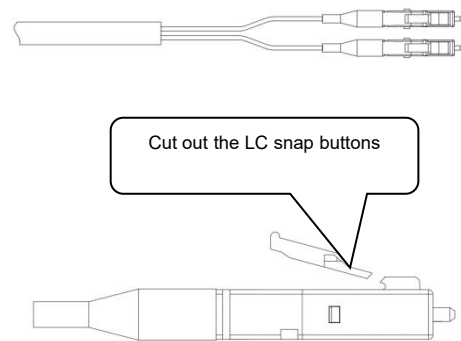
Product Data Sheet

Assembly Instructions

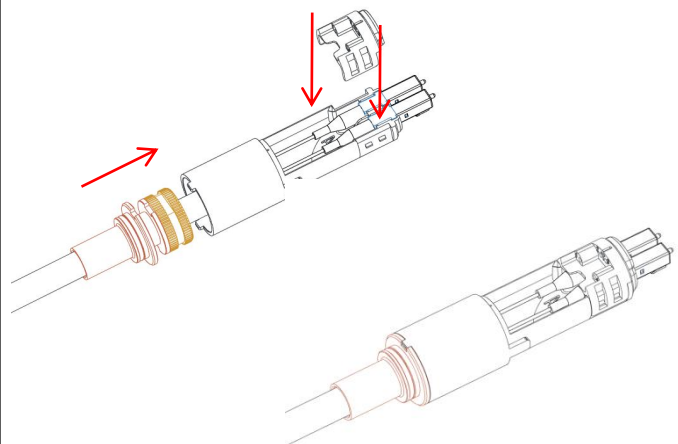
- (1) Put the cable through the back cover assembly and rivet assembly



- (2) Assemble LC connectors onto fiber optic cables. Cut off the snap button on the LC connector



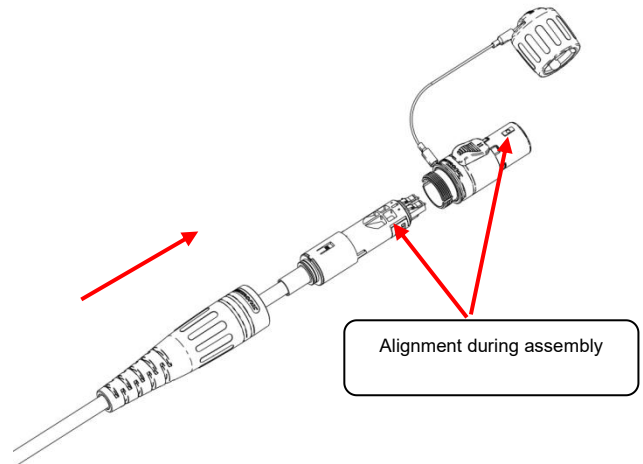
- (3) Assemble the LC connector to the SO2M plug inner core. Cover the inner core lid and push the rivet piece upward to assemble with the inner core and then rivet.



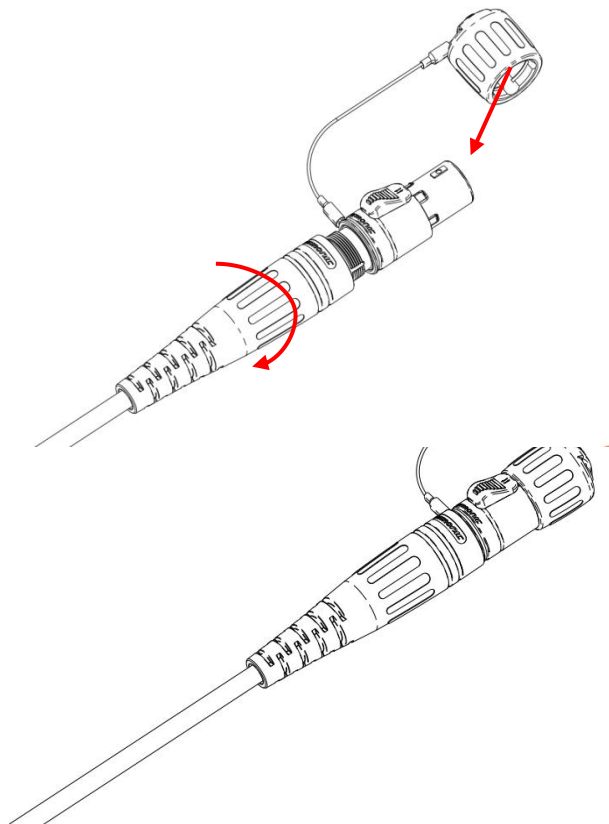
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Assembly Instructions

- (4) Insert the riveted assembly into SO2M plug housing



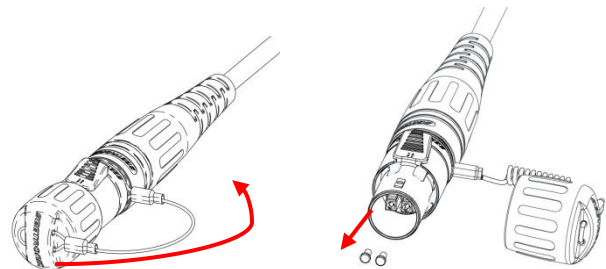
- (5) After the inner core is assembled with the housing, tighten the screw sleeve in a clockwise direction and cover it with the dust-proof rubber cover



Product Data Sheet

Instructions for use

- (1) Open the dust-proof rubber cover and remove the dust cap on the LC connector



Remove dust cap

- (2) Plug-in the plug to the socket

