



# MFL10B Series

## 2 pos., Small & Waterproof, Lens Attached Optical Connector

MKT-E-15026F

### ◆ Features

1. Space Saving and Light Weight
2. Non-contact technique of lens ferrule eliminates the task to clean the ferrule end face.
3. IP67 water resistant\*
4. Excellent weather resistance with black chrome plating supports outdoor use. (Saltwater spray test: 1000 hours)
5. Light weight, high-strength flexible MIL cable is available
6. RoHS compliant

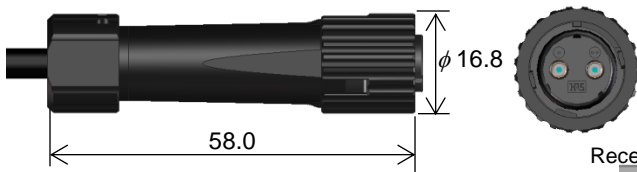
\*Immersed in water for 1 min. with internal air pressure 4.9 kPa.



### ◆ Dimensions

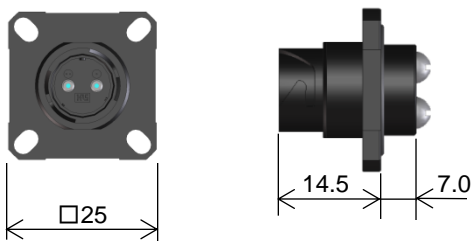
#### Plug

- MFL10B-WP5CH01-0200 ( $\phi$  5 mm)
- MFL10B-WP6.5CH01-0200 ( $\phi$  6.5 mm)

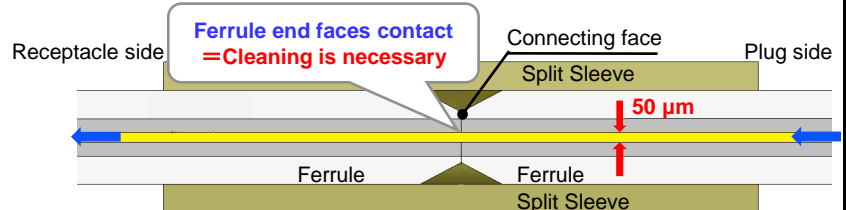


#### Receptacle

MFL10B-WRFH01-0200



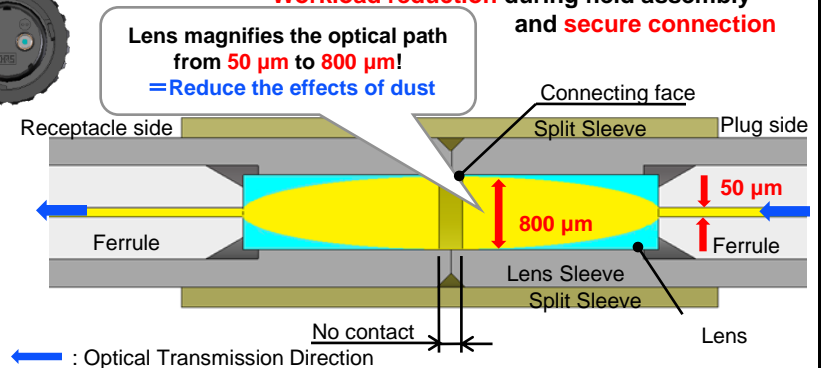
### ◆ Elimination of the task to clean the ferrule end face



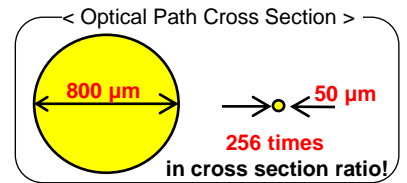
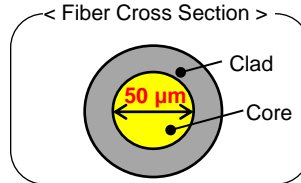
← : Optical Transmission Direction

< MFL10B > Non-contact technique of lens ferrule eliminates the task to clean the ferrule end face.

= **Workload reduction** during field assembly and **secure connection**



← : Optical Transmission Direction



### ◆ Specifications

COMPONENT	MATERIAL	FINISH, REMARKS
Back Shell	Zinc die-cast	Chrome plated
Stopper	Synthetic resin	UL94V-0
Spring	Piano wire	Zinc plated
Split Sleeve	Phosphor Bronze	—

Operating Temperature	-40 °C to +85 °C
Insertion Loss	1.2 dB or less (Used wave length: 1310 nm)
Durability	1000 times
Heat Resistance	85 °C, 240 hours
Cold Resistance	-40 °C, 240 hours
Temperature Cycle	-40 °C to 75 °C, 8 hours x 42 cycles
Water Proof	IP67 supported
Saltwater Spray	5 %, 1000 hours

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.