

FOSTEC Marine Connector

-Ship to shore fiber optic solution-

ABOUT

FOSTEC Ship-to-shore connector FMC is a special type connector, designed to provide high-speed and highly reliable data transmission between ships and offshore facilities. It is specifically engineered for use in marine environments, ensuring stable communication even in harsh conditions. It is primarily used in maritime communications, ocean exploration, military applications, and marine infrastructure.



APPLICATION

- LNG vessel
- Military & Defense
- Offshore Oil and Gas industry
- Cruise Ships
- Marine Research

FEATURES & BENEFITS

- Hybrid Design(Optical + Electrical)
- Customizable Configurations
- Low Insertion Loss
- Enhanced Environmental Resistance
- High Data Transmission Rates
- Security and Safety
- Space-Saving
- High Reliability

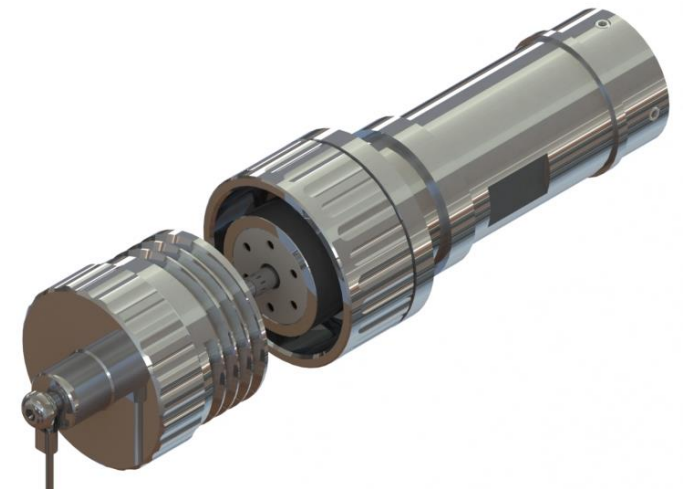
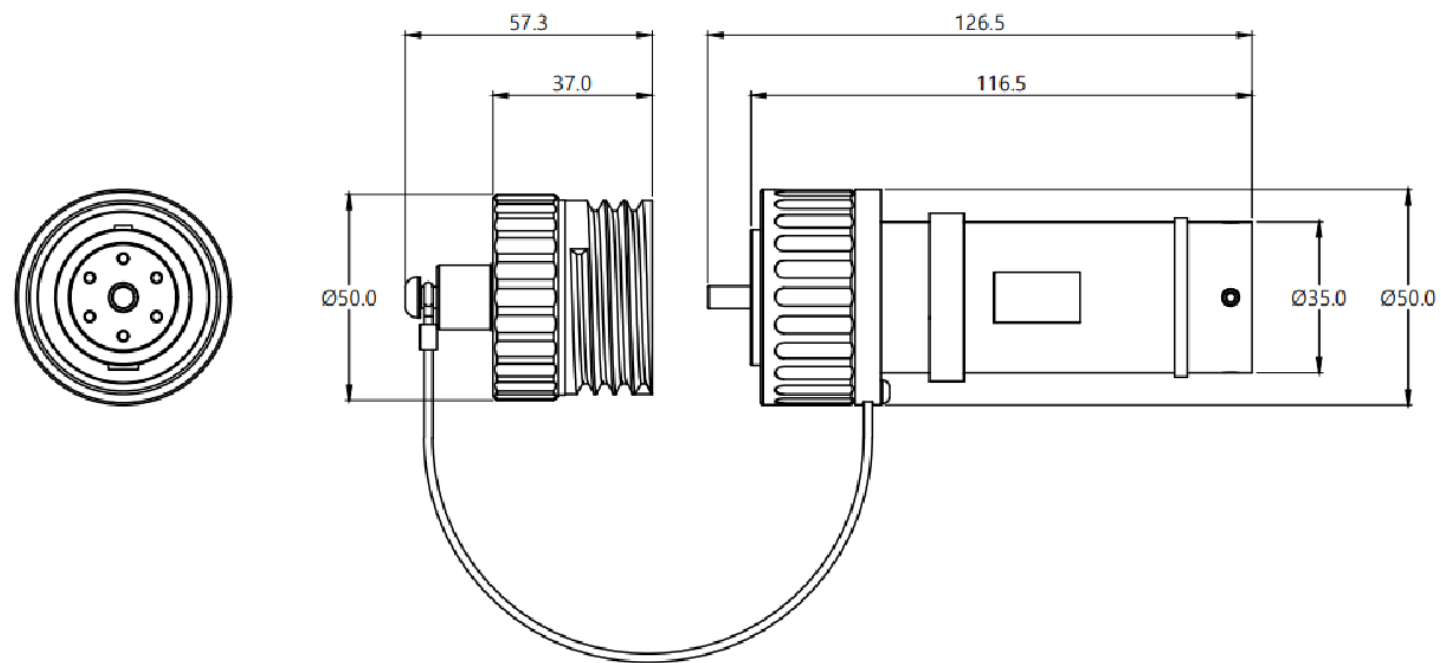
SPECIFICATION

Parameter	Multimode(@850nm/1300nm)	Single mode(@1310nm/1550nm)
Insertion Loss	6ch Typical 1.0dB, Max 1.5dB	6ch Typical 1.0dB, Max 1.5dB
Operating temperature	-46°C to +71°C	
Storage temperature	-55°C to +85°C	
Durability	Min 500 Cycles	
Water Immersion	IP68	
Corrosion Resistance	KS D 9502, 360hours salt spray	
Vibration	10 to 2000Hz, 3 direction, 1.52mm amplitude, 20g acceleration	
Cable Retention	2,000N(Depending on cable specification)	

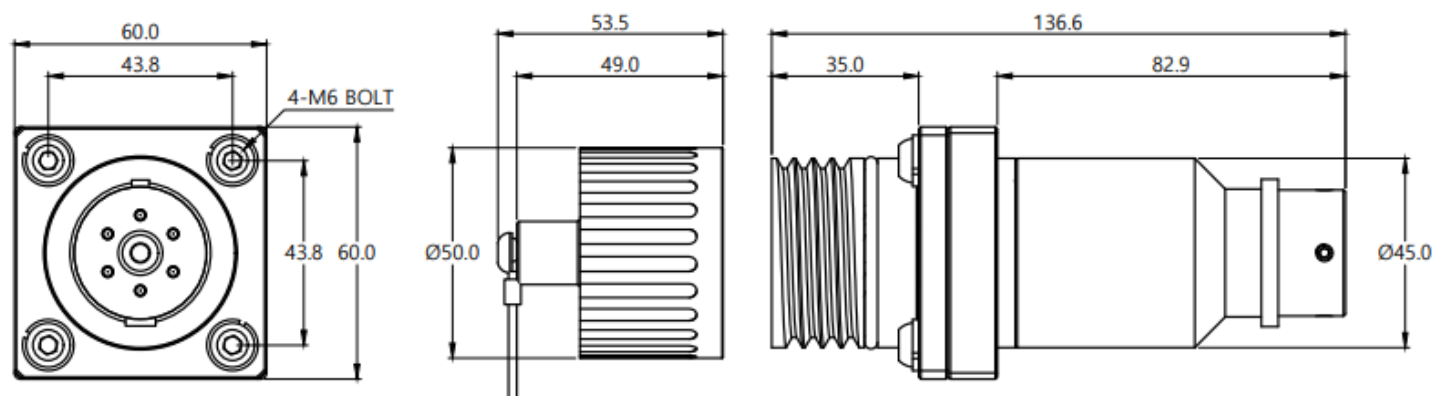


CONFIGURATION

PLUG TYPE



JAM NUT TYPE



ORDERING INFORMATION

FMC - A - B - C - D - E - F - G - H

e.g. FMC - P - R - S - 6 - 09 - A - 13.8 - A - 1.0

- A: END A CONNECTOR TYPE
- B: RUBBER COVER TYPE
- C: MATERIAL / SHELL FINISH
- D: NUMBER OF FIBER
- E: FIBER TYPE
- F: WAVELENGTH
- G: CABLE DIAMETER
- H: END B CONNECTOR TYPE
- I: CABLE LENGTH

A: END A CONNECTOR TYPE

- P – PLUG
- PL – PLUG LOOPBACK
- R – RECEPTACLE S-Q TYPE
- RL – RECEPTACLE LOOPBACK

B: RUBBER COVER TYPE

- R- RUBBER COVER(OPTION, ONLY PLUG)

C: MATERIAL / SHELL FINISH

- S – STAINLESS STEEL(STS316)

D: NUMBER OF FIBER

- 1 – 1 OPTICAL CHANNEL
- 2 – 2 OPTICAL CHANNEL
- 3 – 3 OPTICAL CHANNEL
- 4 – 4 OPTICAL CHANNEL
- 5 – 5 OPTICAL CHANNEL
- 6 – 6 OPTICAL CHANNEL

E: FIBER TYPE

- 09 – SINGLE MODE(9/125)
- 52 – MULTI MODE(50/125) – OM2
- 53 – MULTI MODE(50/125) – OM3
- 54 – MULTI MODE(50/125) – OM4
- 62 – MULTI MODE(62.5/125) – OM1

F: WAVELENGTH

- A – 850/1300nm
- B – 1310/1550nm
- C – 850nm ONLY
- D – 1300nm ONLY
- E – 1310nm ONLY
- F – 1550nm ONLY

G: CABLE DIAMETER

- 13.8: 13.8MM
- 16: 16MM
- 20: 20MM

H: END B CONNECTOR TYPE

- A – SAME AS END A
- SC – SC TYPE CONNECTOR
- LC – LC TYPE CONNECTOR
- ST – ST TYPE CONNECTOR
- FC – FC TYPE CONNECTOR

I: CABLE LENGTH

- 0.5 – 0.5M
- 1 – 1M
- 10 – 10M
- 100 – 100M