

FOSTEC SubSea Connector

-Fiber optic underwater solution-

ABOUT

FOSTEC Sub-sea Connector FSSC is a specialized connector designed for fiber optic-based data transmission in underwater environments. It is used in various marine-related applications such as ocean exploration, military operations, subsea communications, and marine structure interconnections. These connectors are engineered to withstand harsh conditions in underwater environments, including pressure, moisture, salinity, and physical stress.



APPLICATION

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

FEATURES & BENEFITS

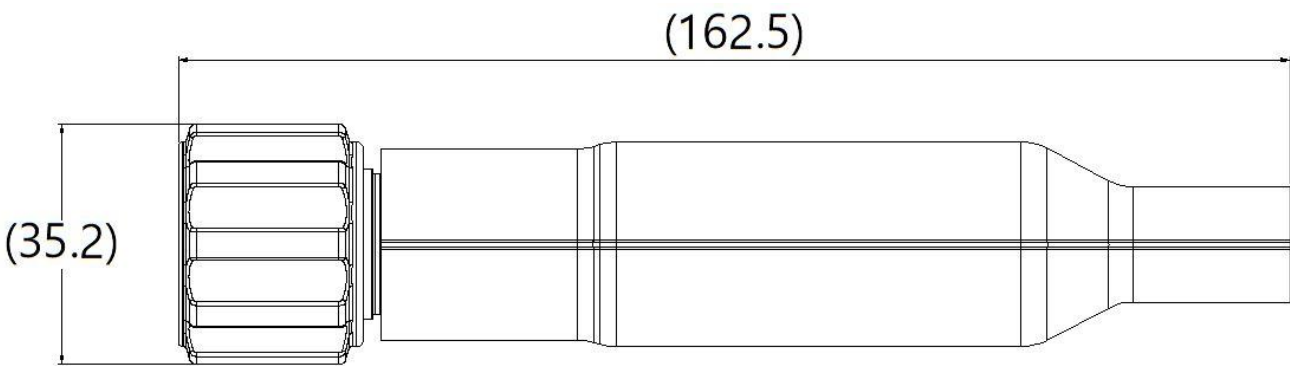
- Hybrid Design(optical + Electrical)
- Customizable Configurations
- Low Insertion Loss
- Enhanced Environmental Resistance
- High Data Transmission Rates
- Security and Safety
- Space-Saving
- High Reliability

SPECIFICATION

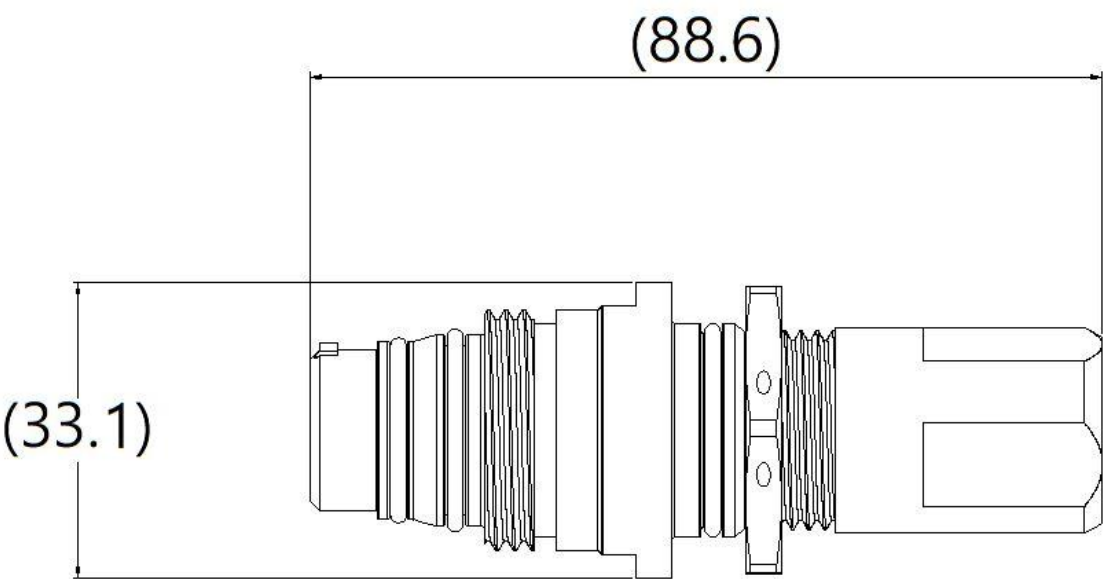
Parameter	Multi mode(@850/1310nm)	Single Mode(@1310/1550nm)
Insertion Loss	4ch Typical 1.0dB, Max 2.5dB	4ch Typical 1.5dB, Max 2.5dB
Return Loss		>28dB(Typical 30dB)
Operating Temp	-20°C to +50°C	
Storage Temp	-40°C to +70°C	
Durability	1,000 Cycles	
Water Immersion	IP69K , 8,000m, 800 bar Pressure (T.B.D)	

CONFIGURATION

PLUG TYPE



RECEPTACLE TYPE



ORDERING INFORMATION

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

e.g. FSSC - P - S - 4 - 50 - 09 - B - SC - 1.5

- A: CONNECTOR SIZE
- B: CONNETOR TYPE
- C: SHELL MATERIAL
- D: NUBMER OF FIBER
- E: NUMBER OF ELECTRICAL
- F: FIBER TYPE
- G: WAVELENGTH
- H: CABLE DIAMETER

A: CONNECTOR TYPE END A

- P – PLUG
- BD – RECEPTACLE TYPE

B: MATERIAL / SHELL FINISH

- S – STAINLESS STEEL, STS 316

C: NUMBER OF FIBER

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

D: CABLE DIAMETER

- 46 – 4.6MM
- 55 – 5.5MM
- 92 – 9.2MM

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

F: CONNECTOR TYPE END B

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

G: CABLE LENGTH(METER)

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