



Corrosion resistance 4 Optical & 2 Power X waterproof connector

Product Overview

This X connector is mainly used in the marine environment, for the drag device provides two-way power supply, and has 4-way optical fiber, the associated data and control signal transmission, due to the direct drag and drop the device, requires a relatively large composite cable tensile strength, and the connection between the cable and connector also needs to be well fixed. fittings made of stainless steel SUS316L materials that suit of the marine environment.

Product Features

- Stainless steel housing SUS316L used in marine environments.
- resistance ability, can be tensile 500KG.
- waterproof seal to ensure that the steadily power and optical signal transmission.
- 2-way power cable, 4-way optical signal.



Applications

Ocean exploration, marine communication device connection, shipboard equipment, etc.





Shipboard Cable Connector

Description:

Shipboard Cable Connector (SCC) adapt with a fiber optic connectors are stainless steel 316L timber material, suitable for use in acid, corrosion and marine climate and other harsh environments often of work, the plug and socket using five key positioning, thread lock connections, one connection with multi-core and blind insertion; connection loss, high reliability; waterproof, dustproof, resistant to harsh environments, corrosion resistance and other characteristics, can now provide two core 4-pin connector can also be customized according to customer requirements.

Features:

- Thread the locking mechanism can ensure long-term reliable connection;
- five key positioning system;
- sealed design, waterproof, dustproof, anti-seawater corrosion, etc.;
- wall seal design;
- Case material selection SUS316L;

Application:

- Marine ship equipment Communication
- airborne
- acid, hydrochloric acid, humidity and other harsh environments

Connector Parameter

Insertion Loss	SM	$\leq 0.8\text{dB}$ (Typical $\leq 0.5\text{dB}$)
	MM	$\leq 0.8\text{dB}$ (Typical $\leq 0.3\text{dB}$)
Return Loss	SM	$\geq 50\text{dB}$
Mechanical	Plug	$\leq 1000\text{N}$ (Main Cable)
	Socket	$\leq 100\text{N}$ (Branch Cable)
Operation Temp.		$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
IP Rate		IP68

Cable Parameter

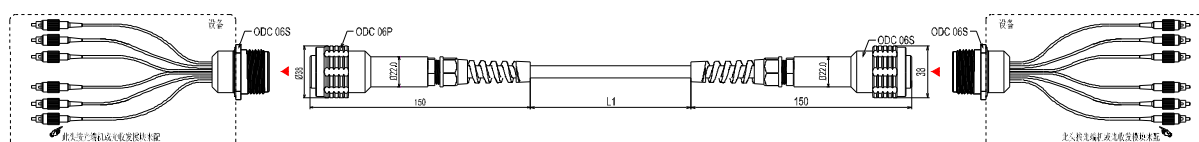
Cable OD.	4.0mm, 7.5mm
Outer Sheath	TPU
Anti-push Unit	KEVLAR
Fiber Type	9/125、50/125、62.5/125
Fiber Outer	900um fiber
Tensile Strength	Short term: 600N Long term: 200N
Operation Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$



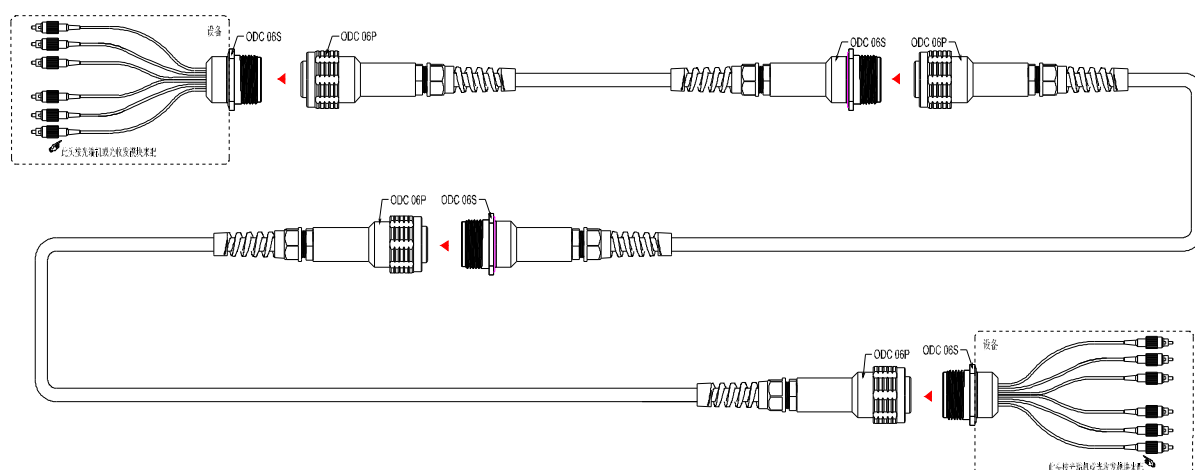
Branch Connector



Connection Drawing



Two equipment Connection



Two equipment extending cable Connection