

## J599/MPO Fiber Optic Connectors/Assemblies

### Product Description

J599/MPO outdoor navigation plug type fiber optic connector using J599 shell and MPO fiber optic connectors, connectors with three threaded quick connection, while using five keys positioning, with blind and anti-misplaced and anti-vibration function, connector shell using 316L stainless steel, high density of contact parts, anti-electromagnetic shielding function, connector loss is small, high reliability; with waterproof, dustproof, corrosion resistance and other characteristics. Fiber density is high, specifications are 2-96 cores.



### Features

- Products comply with GJB599A (MIL-DTL-38999) III series interface specification, and the performance conforms to ARINC801 specification
- Optical link density is high, supporting 2-96 core fiber, while having high reliability
- Outer shell using different materials can meet a variety of harsh environmental requirements as well as electromagnetic shielding requirements
- Products with 5 keys positioning, anti-blind and wrong insertion, while having excellent anti-vibration performance
- Adopts three-head thread for quick connection and has anti-loosening structure
- With single core, 2 core, 4 core, 6 core, 8 core, 12 core and other specifications for selection.

### Applications

- Active or passive equipment terminals
- Marine, shipboard communication systems and equipment
- Aviation, aerospace and other optical and electrical systems and equipment
- Other military, weapons systems and equipment areas



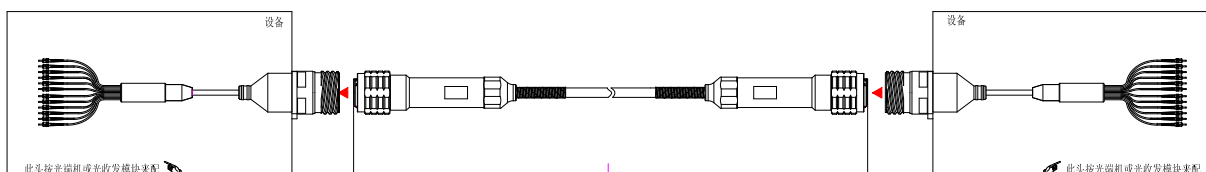
## Product Parameter

Categories	Indicator requirements
Insertion loss	Single Mode SM $\leq 0.70\text{dB}$ /Multimode MM $\leq 0.6\text{dB}$
Return loss	Single Mode SM $\geq 50\text{dB}$
Reciprocity	$\leq 0.2\text{dB}$
Operating temperature	$-55^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Mechanical life	1000 times
Tensile strength	Main Optical Cable $\geq 500\text{N}$ , Receptacle branch $\geq 50\text{N}$
Protection level	IP67

## Common branch connector connectors



## Examples of common connection schemes



## Model Naming

Plug / socket naming

Series Model	J599/MPO	20	W	B1	-	PC	-	SM	-	F1	-	12
Housing Model	20--Sockets 26--Plug											
Coating	K--Stainless steel surface passivation process housing W--Military green aluminum alloy cadmium plated F--Aluminum alloy chemical nickel plating											
Type of contact parts	A1-Fiber optic inserts B1-Fiber optic jack fiber sleeve											
End face type	PC (0°) APC (8°)											
Fiber Type	SM-Single-mode9/125 MM-Multimode 62.5/125 M3-Multimode50/125											
Fiber optic cable type	F1:7mmFiber Optic Cable (LZSH OR TPU 外护) XX--Customer specified other fiber optic cable types											
Number of fiber optic cable cores	12 Fiber cores 24 Fiber cores XX--Customer specified other fiber optic cable types											

