



## 1、 Descriptions

J599/D38999 MPO/MTP outdoor waterproof optical fiber connector with j599 shell and MPO/MTP optical fiber connector, joints with three thread fast connection, and adapt with five keys locate at the same time, blind insertion and error proofing in and anti vibration function, connector made of stainless steel 316 material, contact parts of high density, anti electromagnetic shielding function, fiber optic assemblies detachable, convenient installation, small connector loss, high reliability, is waterproof, dustproof, anti - corrosive characteristics.

## 2、 Features

- outer casing can choose different materials and coatings to adapt to different environmental requirements
- five key location, there are blind mating and error proofing interpolation function
- three Screw thread quick connect, and with anti-release mechanism
- ceramic pin and sleeve contacts to achieve precision docking
- There are many variations of the optional rear
- With adapter socket (optional hermetic seal) form, get rid of the shackles of cable
- Industrial standard: Q/21EJ1305 connector size comply with GJB599A standard
- (MIL-DTL-38999)Ⅲ, performance meet with ARINC801 standard
- Select standard connector on the other end, Various connector option: LC、 SC、 FC、 ST etc.

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### 3. Specifications

Fiber Type	SM (9/125um)		MM (50/125um、62.5/125um)
Polish	UPC	APC	UPC
Insertion Loss	≤0.7dB (Typical≤0.3dB)		≤0.6dB (Typical≤0.2dB)
Return Loss	UPC≥50dB, APC≥60dB		UPC≥20dB
Repeatability	200 times typical change value ≤ 0.20dB		
Interchangeability	≤0.20dB		
mechanical character	Socket / Plug: ≤500N (Main Cable)		
	LC/SC: ≤ 30N (Branch Cable)		
Tensile Strength	Short term600N / Long term: 200N		
Protection level	IP67		
Fiber count(optional)	12 ~ 24		
Cable Diameter(optional)	4.0、 5.0mm		
Jacket Material(optional)	LSZH、 TPU		
Operating Temperature	-20 ~ +70°C		
Storage Temperature	-40 ~ +85°C		

### 4. Application

- marine equipment communications
- airborne equipment
- acid and alkali
- hydrochloric acid
- wet and other harsh environment
- military communications and outdoor adverse environmental communications

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