



1、 Descriptions

J599/D38999 A8 fiber connector uses five-key positioning, with blind insertion and anti-error insertion function. The joint is quickly connected with three thread, with anti-loosening structure, and the ceramic pin and casing are used to realize optical precise docking. Has the connection socket (optional gas seal) form, gets rid of the optical cable bondage.

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.

3. Specifications

Fiber Type	SM (9/125um)		MM (50/125um、62.5/125um)
Polish	UPC	APC	UPC
Insertion Loss	≤0.6dB (Typical)		
Return Loss	UPC≥50dB, APC≥60dB		UPC≥20dB
Mechanical life	500 times		
Vibration	10Hz ~ 2000Hz, power spectral density 0.4G ² / Hz		
tensile strength	≥68N(2mm contacts jumper)		
Gas tightness (applies to airtight adapter socket)	gas leakage≤1×10 ⁻⁹ Pa.m ³ /s, external pressure is 1 atm		
Salt mist	≥1000h stainless steel, aluminum, cadmium plated ≥48h (aluminum nickel-plated)		
Stretching resistance	Short Period: 1200N Long Period:600N		
Protection level	IP67		
Fiber count(optional)	12 ~ 24		
Cable Diameter(optional)	4.0、7.0mm		
Jacket Material(optional)	LSZH、TPU		
Operating Temperature	- 55°C ~ + 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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