



Dimensions: mm [inches]

## GENERAL

**Type:** IEC 61754-20 (LC)  
Singlemode Zirconia ferrule  
RJ-45 latching connector system

**Ferrule inner diameter:** Ø126µm

**Fiber size:** 9/125μm Singlemode

**Cable size & type:** Ø3mm Duplex

**Termination:** Refer to 503.08.500 assembly instruction manual

**Color:** BLUE

## CHARACTERISTICS (Dependent on cable or fiber construction)

**Optical:**

Attenuation at 1300 nm and 1550 nm	
Insertion loss (IEC 61300-3-4 method B):	≤0.10dB Mean
	≤0.05dB Stand.dev
Attenuation of random mated connectors	
(IEC 61300-3-34):	≤0.10 dB
	≤0.07dB

Return-Loss: (IEC 61300-3-6): >35dB PC  
>40dB SPC  
>50 dB UPC

### Mechanical:

Vibration tests: 10 to 55 Hz , 1,5 mm (peak to peak), 2 Hr/axis  
Impact test: 1,5 m drop, 8 cycles  
Endurance: 200 matings

Cable retention: 68N

## Environmental:

Storage temperature range: -40°C / +85°C  
Operating temperature range: -40°C / +85°C  
Thermal cycle test: -40°C to +75°C , 21 Cycles , 168  
Humidity / Condensation cycling test: 95% RH , -10°C / +65°C , 14 cycles , 168 Hr

(Performance and specification: see document **GEN\_F727 001**)