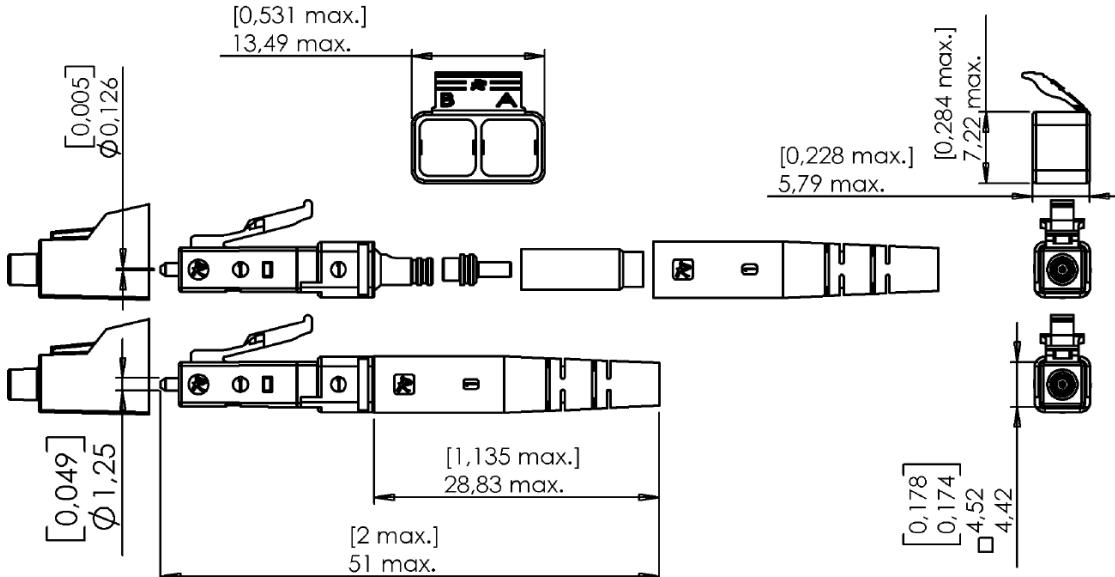


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Dimensions: mm [inches]

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: Ø2mm 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): $\leq 0.10\text{dB}$ mean
 $\leq 0.05\text{dB}$ Stand.dev

Attenuation of random mated connectors
(IEC 61300-3-34): $\leq 0.10\text{dB}$ mean
 $\leq 0.07\text{dB}$ Stand.dev

Return-Loss: (IEC 61300-3-6): $>35\text{dB}$ PC
 $>40\text{dB}$ SPC
 $>50\text{dB}$ 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: $-40^\circ\text{C} / +85^\circ\text{C}$
Operating temperature range: $-40^\circ\text{C} / +85^\circ\text{C}$
Thermal cycle test: $-40^\circ\text{C} / +75^\circ\text{C}$, 21 Cycles , 168
Humidity / Condensation cycling test: 95% RH , $-10^\circ\text{C} / +65^\circ\text{C}$, 14 cycles , 168 Hr

(Performance and specification: see document **GEN_F727 001**)