

Ruggedized ST®

Connector Specification Sheet



Corning's Ruggedized ST® connector has been designed for applications where conditions are severe, and reliability is critical, but full compliance to MIL-PRF-83522 is not required. All connector body parts are precision machined nickel-plated brass. The best choice for high reliability applications. Some of the applications supported by Corning's Ruggedized ST® connector include:

- Navy Shipboard applications
- Deployable military tactical networks
- Oil and Gas surface applications
- Homeland security and surveillance
- Harsh industrial installation
- Emergency restoration systems
- Cabinet mounted communication systems

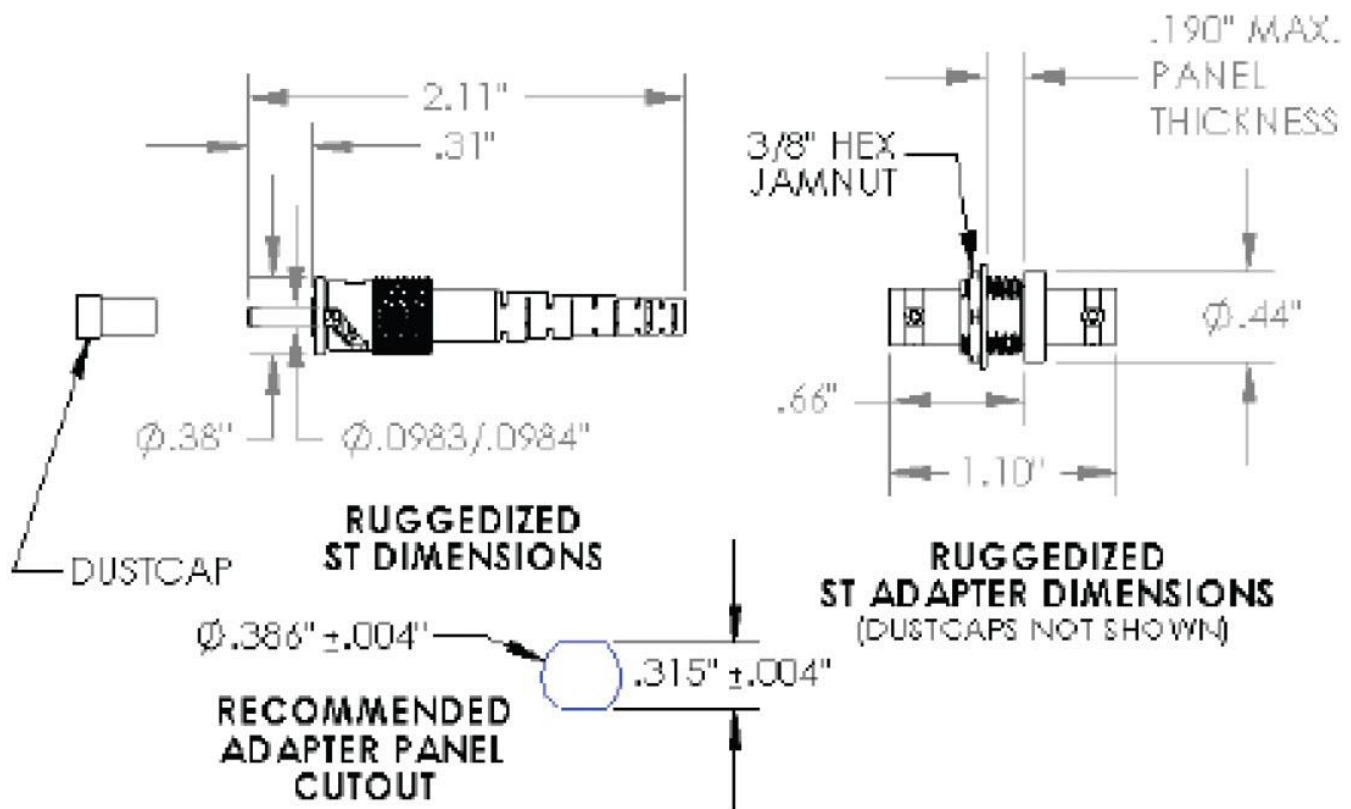
Features and Benefits

TIA/EIA 604 Compliant
Compatible with ST style adapters
Adapter compatible with ST style connectors
Pre-radiused zirconia ferrule to minimize yield polishing
Nickel plated brass components and stainless-steel spring
Field installable and maintainable
Split zirconia sleeve for improved insertion loss
Components are DFAR compliant, machined, finished and assembled in the USA
Compatible with standard hand and machine polishing equipment

Technical and Performance Characteristics

Optical Insertion Loss	Single-mode 9/125 μm : 0.50 dBmax, 0.35 dBtyp Multimode 62.5/125 μm : 0.50 dBmax, 0.14 dBtyp
Return Loss	>30 dB MMF, >45 dB SMF with PC polish
Mating Durability	500 cycles per EIA-455-21
Salt Spray	5% salt solution / 96 hrs.
Temperature/Humidity	-10° C to +65° C, 10 cycles
Withdrawal Force	200-600 grams
Temperature Cycle	-46°C to +85°C, 5 cycles
Operating Temperature	-45°C to +110°C (epoxy dependent)
Cable Retention	> 22 lbs.

Ruggedized ST Connector and Adapter Dimensions



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