

SC Non-Pull Proof Connector



Non-Pull Proof SC

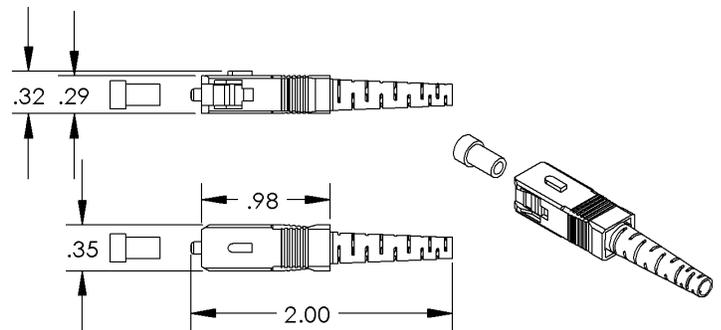
Prior to the development of the Non-Pull Proof SC Connector, the tight construction of waterblocked shipboard cable restricted the contained buffered fiber from pushing back during the mating operation of this small form factor connector. This caused microbends which lead to higher insertion loss and/or catastrophic failure of the fiber. STRAN's Non-Pull Proof SC Connector is specifically designed with an integral ferrule assembly and connector body which offer long term reliability of the fiber interconnection and enhanced optical performance. Fully compatible with the mechanical interface requirements of TIA/EIA-604-3A, this SC is available in both singlemode and multimode configurations. Cable assemblies made with these connectors offer better mechanical properties than those made with standard SC connectors – when terminated with MIL rated, waterblocked OFCC's.

Some of the applications currently employing STRAN's Non-Pull Proof SC include:

- Cabinet mounted communication systems
- Cabinet mounted communication systems
- Multichannel connector breakout assemblies
- Homeland security and surveillance
- Deployable broadcast network

Fully compatible with TIA/EIA-604-3A, IEC 61754-4 and JIS C5973 specifications the key features of this connector family include:

- Designed for 2, 2.4 and 3 mm jacketed cable
- Pre-radiused zirconia ferrules configured for Super, Ultra PC polishing
- Available in Singlemode and Multimode simplex or duplex configurations.
- Non-pull Proof, intuitive latching mechanism
- Glass filled composite resin housing
- Strain Relief designed to meet Telecordia Mechanical Requirements
- Fully RoHS compliant



DIMENSIONS ARE FOR REFERENCE ONLY

Connector Performance Criteria:

Optical Insertion Loss	9/125 - 0.3 dB _{max} , 0.2 dB _{typ} 62.5/25 - 0.3 dB _{max} , 0.2 dB _{typ}
Return Loss	>50 dB SMF with PC polish
Mating Durability	1000 cycles
Thermal Shock	-40°C to +80°C (epoxy dependent)

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