

CORNING

SC Non-Pull Proof Connector



Prior to the development of the Non-Pull Proof SC Connector, the tight construction of water-blocked 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. Corning'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 single-mode 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, water-blocked OFCC's. Some of the applications currently employing Corning's Non-Pull Proof SC include:

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

Features and Benefits

Fully compatible with TIA/EIA-604-3A, IEC 61754-4 and JIS C5973 specifications

Designed for 2, 2.4, and 3 mm jacketed cable

Pre-radiused zirconia ferrules configured for Super, Ultra PC polishing

Available in single-mode and multimode simplex or duplex configurations

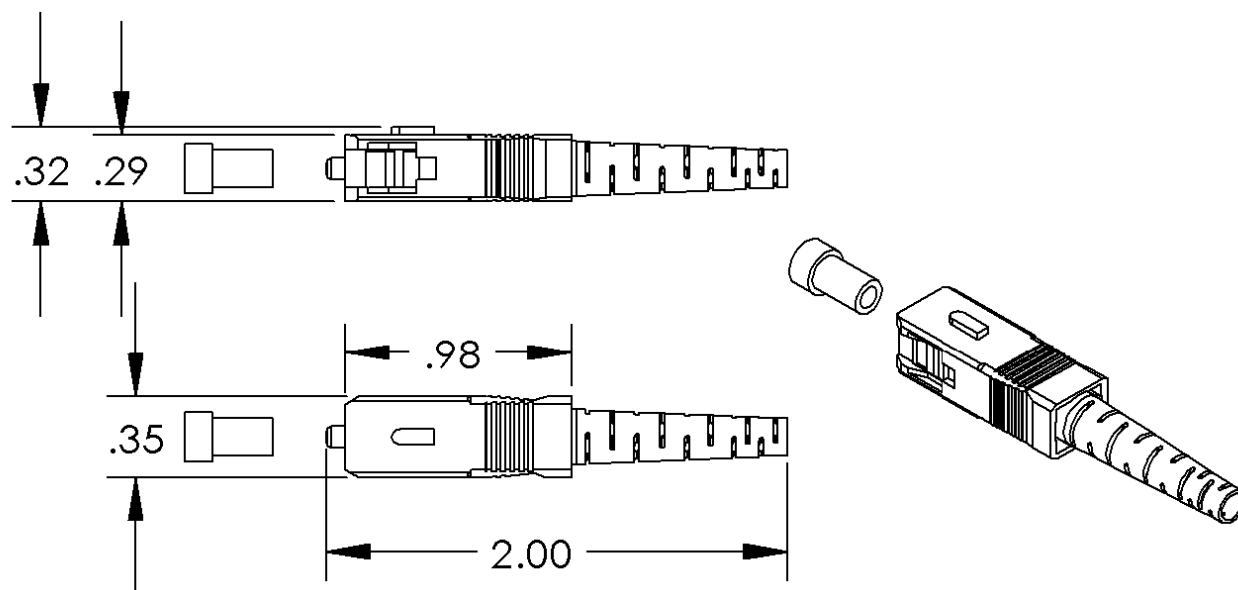
Non-pull Proof, intuitive latching mechanism

Glass filled composite resin housing

Strain Relief designed to meet Telecordia Mechanical Requirements

Fully RoHS compliant

SC Non-Pull Proof Connector



DIMENSIONS ARE FOR REFERENCE ONLY

Technical and Performance Characteristics

| | |
|------------------------|---|
| Optical Insertion Loss | Single-mode 9/125: 0.3 dBmax, 0.2 dBtyp Multimode 50, 62.5/125: 0.3 dBmax, 0.2 dBtyp |
| Return Loss | >50 dB SMF with PC polish |
| Mating Durability | 1000 cycles |
| Thermal Shock | -40°C to +80°C (epoxy dependent) |

CORNING

Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC 28216 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm
Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2020 Corning Optical Communications. All rights reserved.