

# SC Field-Installable Fiber Optic Connector

**Description**

Wirewerks SC Field-Installable Fiber Optic Connector is a pre-polished, pre-assembled connector that eliminates the need for hand polishing and epoxy in the field, allowing fast, reliable, high-quality terminations in the field in less than 2 minutes from stripping to installation. Using a Visual Fault Locator (VFL), a 'light pipe' on the connector body provides instant visual verification of a successful installation. The connector comes with an assembly jig and fiber holder to ensure accurate alignment and fiber cleave when terminating. Wirewerks SC Field-Installable Fiber Optic Connectors are fully compatible with all standard SC connectors and are available in single mode and multimode (50um or 62.5um) configurations for termination on 250um or 900um tight-buffered fiber.

**Features and Benefits**

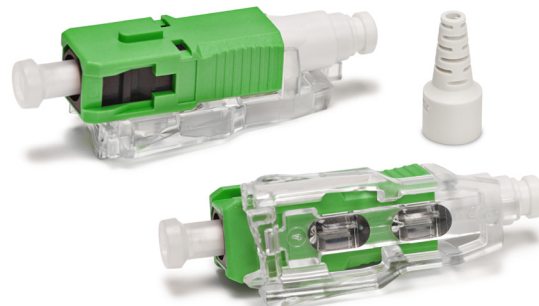
- Fast, simple installation process with reliable, high-performance, high-yield results
- Integrated Visual Fault Locator (VFL) for instant visual verification of termination
- Common 3-Step Procedure for all connector types is easy to learn and repeat
- Low Insertion Loss
- No crimp, no epoxy and no polishing reduces installation time and cost
- Follow TIA/EIA-568-C.3 color identification scheme for easy identification of fiber type; visually compatible with patch cords and connectivity that also follow the color ID scheme

**Applications**

- Data Centers
- Telecommunications Networks
- Test and Measurement Systems
- Local and Wide Area Networks (LAN and WAN)
- Community Access Television (CATV)
- Fiber to the X (FTTx)

**Certification and Compliance**

- ANSI/TIA-568-B.3 Optical Fiber Cabling Component Standard
- GR-326-CORE Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
- TIA-604-3 Fiber Optic Connector Intermateability Standard - Type SC
- IEC61754-4 Fibre Optic Connector Interfaces - Part 4: Type SC connector family
- UL 94 Tests for Flammability of Plastic Material for Parts in Devices and Appliances. Directive on Restriction of Hazardous Substances
- RoHS



Part Number	Description	Housing	Boot Color	Packaging
FT-ASCSM	Field terminable SC/UPC connector, OS2, 900µm, tight buffer	Blue	White	Clear Poly bag 1 unit per bag Instruction sheet
FT-ASCSMAPC	Field terminable SC/APC connector, OS2, 900µm, tight buffer	Green	White	
FT-ASCMM	Field terminable SC connector, OM1, 900µm, tight buffer	Beige	White	
FT-ASCMM50	Field terminable SC connector, OM2, 900µm, tight buffer	Black	White	
FT-ASCMM10G	Field terminable SC connector, OM3/OM4, 900µm, tight buffer	Aqua	White	

### Physical Characteristics

Parameter	Value
Housing Material	High Impact UL 94 V-0 ABS thermoplastic
Connector Ferrule Material	Zirconia Ceramic

### Mechanical Characteristics

Parameter	Value
Operating temperature	-40°C (-40°F) ~ 75°C (167°F)
Durability	<0.1dB, 500 mating

### Optical Characteristics

Parameter	Single Mode Value	Multimode Value
Maximum Insertion Loss	0.2dB (UPC); 0.3dB (APC)	0.1dB
Maximum Return Loss	55dB (UPC); 60dB (APC)	35dB

### Fail safe feature

Shows signal light when badly terminated

