SCP Structured Cable Products®
Quality Installations Deserve Quality Products

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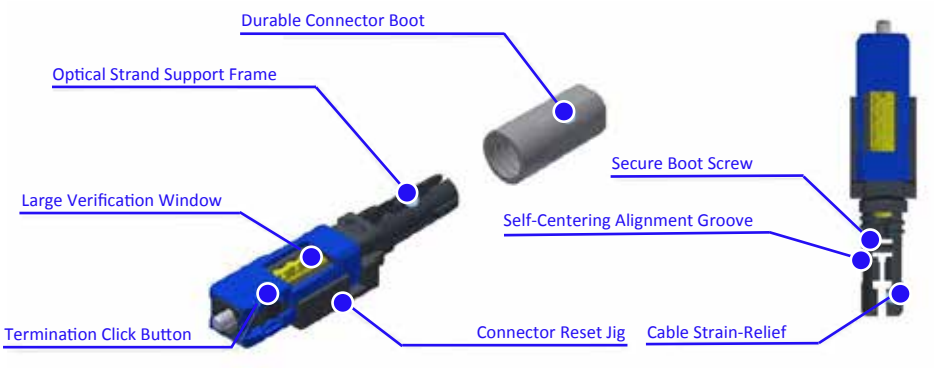
Technical Specifications

ECO Series™ Field-Assembly SC Type Fiber Optic Connectors

Single Mode & Multimode | UPC (standard) & APC | 250µm, 900µm, 2.0mm, 3.0mm

Standard Features at a Glance

- SC type connectors
- Pre-polished for UPC (standard) & APC (angled) connections
- Compatible with single mode (OS1 & OS2) & multimode (OM2, OM3 & OM4) cable
- Compatible with 250µm, 900µm, 2.0mm & 3.0mm, including distribution and zip-cord formats
- No proprietary tools required
- No epoxy, crimping or polishing required
- Built-in verification window showing proper termination
- Self-centering alignment groove for easy & reliable insertion of the fiber optic strand
- Built-in button for one click termination & locking jig release
- Average termination time around two minutes
- Re-usable (five or less termination cycles recommended)



SCP-EasyFiber™ field-installable fiber optic connectors are designed for quick, easy and reliable termination of 250µm, 900µm and 2.0mm fiber cables, including both distribution and zip-cord configurations.

SCP-EasyFiber™ connectors are compatible with both single mode (OS1 & OS2) and multimode (OM2, OM3 & OM4) fiber and are available in standard (UPC) and angled (APC) pre-polished formats. No epoxying, crimping, polishing or proprietary tools are required for termination.

Unlike other connectors which are marketed as “one-size fits all”, SCP-EasyFiber™ connectors are specific to 250µm, 900µm, 2.0mm and 3.0mm cables to ensure perfect alignment, reducing refraction and signal loss. And regardless of cable, a large built-in verification window, self-centering alignment groove and easy-to-press button for one-click termination ensures installation times around two minutes.

Connector Models

Part Number	Compatible Fiber Type	Recommended Cable Type	Polish	Accessories	Color
EF-CON-SM-SC	Single Mode (OS1, OS2)	250µm, 900µm, 2.0mm, 3.0mm Distribution Style Zip-Cord Cord Style	UPC (standard)	Universal Fit Build-Up Tubes	Blue
EF-CON-SM-SCA	Single Mode (OS1, OS2)	250µm, 900µm, 2.0mm, 3.0mm Distribution Style Zip-Cord Cord Style	APC (angled)	Universal Fit Build-Up Tubes	Green
EF-CON-MM-SC	Multimode (OM2, OM3, OM4)	250µm, 900µm, 2.0mm, 3.0mm Distribution Style Zip-Cord Cord Style	UPC (standard)	Universal Fit Build-Up Tubes	Aqua

Specifications

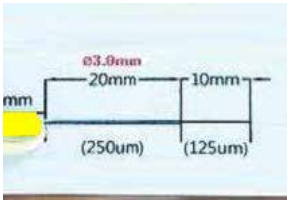
Physical Characteristics	
Connector Type	SC (TIA / EIA 604-3)
Recommended Maximum Re-Termination Times	5 times
Average Termination Strength	2.0mm & 3.0mm: 6.5lbs of sustained tension 250µm & 900µm: 2.0lbs of sustained tension
Assembled Connector Dimensions	51mm (length) x 9mm (height) x 9mm (width)
Construction	Zirconia ferrule | Ultem plastic body | Internal index matching gel
Performance	
Insertion Loss	Typical: 0.3dB Maximum: 0.5dB
Return Loss	APC: ≥60dB UPC: ≥50dB
Operating Temperature	-40 degrees – 75 degrees C
Storage Temperature	-45 degrees – 85 degrees C
Regulatory	
Certifications	RoHS, IEC 61754-20

Example Installation Process

**Actual installation procedure may vary; please consult the manual and/or video for your specific connector model.*

Tools Required: 3-hole stripper, Kevlar sheers, cleaver, ruler, marker

Insert the connector boot onto the cable



Measure and mark the fiber strand that will be terminated

Strip 10mm of cable jacket using the middle hole on the stripper

Strip 10mm of buffer using the small hole on the stripper

Cleave your fiber strand to 10mm from first measurement mark

Strip an additional 20mm of cable jacket using the middle hole on the stripper

Clean any impurities from your cable

Insert the fiber into the connector body until the strand meets resistance and arches

Remove the connector jig

Lock the fiber inside the connector by pressing the amber button

Screw the boot onto the connector body and trim any exposed Kevlar yarn

To remove or re-terminate the connector, simple unscrew the boot and replace the jig