

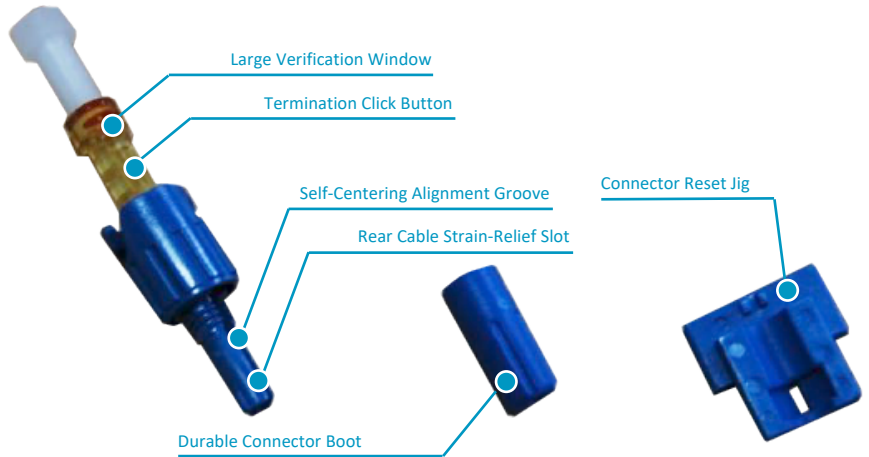
Technical Specifications

ECO Series™ Field-Assembly ST Type Fiber Optic Connectors

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

Standard Features at a Glance

- ST 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, 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)



TechLogix ECO Series™ 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.

ECO Series™ 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”, ECO Series™ connectors are specific to 250µm, 900µm and 2.0mm 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	Color
SM9-ST	Single Mode (OS1, OS2)	250µm, 900µm Distribution Style	UPC (standard)	Blue
SM9-STA	Single Mode (OS1, OS2)	250µm, 900µm Distribution Style	APC (angled)	Green
SM2-ST	Single Mode (OS1, OS2)	2.0mm Zip-Cord Style	UPC (standard)	Blue
SM2-STA	Single Mode (OS1, OS2)	2.0mm Zip-Cord Style	APC (angled)	Green
MM9-ST	Multimode (OM2, OM3, OM4)	250µm, 900µm Distribution Style	UPC (standard)	Aqua
MM2-ST	Multimode (OM2, OM3, OM4)	2.0mm Zip-Cord Style	UPC (standard)	Aqua

Specifications

Physical Characteristics	
Connector Type	ST (TIA / EIA 604-2)
Recommended Maximum Re-Termination Times	5 times
Average Termination Strength	2.0mm: 6.5lbs of sustained tension 250µm & 900µm: 2.0lbs of sustained tension
Assembled Connector Dimensions	44mm (length) x 10mm (height) x 10mm (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