

Fiber Optic Fast Connector

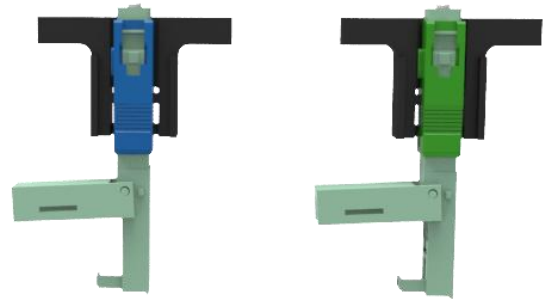
Series A

Overview

LongXing Fast connectors make fiber terminations fast, easy and reliable. These fiber optic connectors offer terminations without any hassles and require no epoxy, no polishing, no splicing, no heating and can achieve similar excellent transmission parameters as standard polishing and splicing technology. Assembly of the quickly assembly fiber connector requires only normal fiber preparation tools, no electrical power supply is needed.

Features

- Compatible with standard SC connectors;
- Field installable, cost effective, user friendly;
- PC, APC polishing optional;
- No electricity required;
- FTTH cable, fiber optic cable optional;
- Reliable durable and superior optical performance
- Low insertion loss and high return loss
- Stable capability and high reliability
- Excellent mechanical capability



Highlights

- **No-epoxy/no-polish or other consumables required**
Quick and easy installation, less than one minute per connector on average
- **100 percent factory tested for insertion loss**
Typical insertion loss of 0.2 dB for UPC and 0.3 dB for APC connectors
- **Factory-polished end face**
Low insertion loss and high-performance return loss
- **Reliable, proven mechanical splice technology**
Over 70 million connectors deployed in various applications
- **No need for electrical power for ovens or lights**
Reduces complexity
- **Angled Fiber Stub**
Inside all LongXing connectors regardless of polish to maximize back reflection performance

Standards

Intermateability

Connectors are FOCIS
Compliant with TIA/EIA 604-3 (SC), FOCIS 10 (LC)

Approvals and Listings

Passed EIA/TIA 568-B.3

Design and Test Criteria

Telcordia GR-1209 and GR-1221

Technical Specifications

Insertion Loss	Average $\leq 0.2\text{dB}$, Max $\leq 0.4\text{dB}$
Return Loss	UPC $\geq 40\text{dB}$, 55dB typical at 25 degrees C + 5degrees APC $\geq 55\text{dB}$, 60dB typical at 25 degrees C +/- 5degrees
One-Time Assembly Yield	$\geq 97\%$
Assembly Repeatability	≥ 5 times
Average Assembly Time	≤ 3 minutes
Life-Time	≥ 30 years
Tensile Strength	$\geq 30\text{N}$ (2.0x3.0 drop cable.)
Operation Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

