

CPX-SC-G50

Field Assembly Type SC Fast Connector

Quick, Precise, and Field-Proven for FTTH and Drop Cable Terminations

Introduction

The ComponexX CX-SC-G50 Field Assembly Fast Connector provides reliable, high-quality fiber terminations directly in the field—no fusion splicer required. Designed for flat 2×3 mm FTTH drop cables, it allows installers to achieve secure connections in minutes at patch panels or customer endpoints. Built with a pre-polished ceramic ferrule and precision alignment sleeve, the CX-SC-G50 maintains ≤ 0.3 dB typical insertion loss and ≥ 50 –55 dB return loss, ensuring stable optical performance under real-world conditions.



Technical Specifications

Specification	Details
Connector Type	SC / UPC or SC / APC Field Assembly
Connector Length	51 mm
Ferrule Type	SM / UPC or SM / APC – 125 μ m ceramic
Insertion Loss	≤ 0.3 dB (avg) / ≤ 0.5 dB (max)
Return Loss	UPC ≥ 50 dB / APC ≥ 55 dB
Mating Durability	≥ 500 cycles
Cable Compatibility	2 × 3 mm FTTH drop cable
Operating Temperature	–20 °C to +75 °C
Storage Temperature	–40 °C to +85 °C
Color Codes	Blue (UPC) / Green (APC)
Typical Termination Time	≤ 2 minutes
Packaging Options	Bag or blister box (100 pcs standard)

Applications:

- FTTH and outdoor fiber terminal ends
- Harsh-environment deployments
- FTTA (BBU/RRU) applications
- Data and video transmission links
- Optical fiber access for mobile base stations