

Field-installable and Reusable

The Optix America 900µm FTTH SC single-mode mechanical connector is a field-installable solution that delivers fast, consistent terminations in less than two minutes. Utilizing a streamlined two-piece design, it features a factory pre-polished fiber stub and a built-in mechanical splice with index-matching gel, eliminating the need for epoxy or field polishing. Engineered for reliable FTTH/FTTX connections, these connectors are compatible with 900µm or 250µm single-strand tight-buffered or loose-tube cables. They are available in both SC/APC and SC/UPC single-mode configurations. Built with premium Corning® glass, the connectors are reusable up to three times to prevent costly scrapped connectors on failed initial installations. Fully compliant with TIA/EIA 604-10 (FOCIS-10) standards.



Features

- Delivers consistent field terminations in less than two minutes
- Features a factory pre-polished fiber stub and built-in mechanical splice with index-matching gel
- Utilizes a user-friendly, two-piece construction for easy assembly
- Designed for FTTH/FTTX connections using 900µm or 250µm single-strand tight-buffered or loose-tube cables
- Reusable up to three times to prevent scrapped connectors from failed initial installations
- Built with high-quality Corning® glass
- Available in both SC/APC and SC/UPC single-mode styles
- Fully compliant with TIA/EIA 604-10 (FOCIS-10) standards

Specifications

Parameter	Value
Polish Types	APC (Singlemode), UPC (Singlemode)
Fiber Types	Corning G.652.D Singlemode
Cable Types	900 micron and 250 micron coated fiber
Insertion Loss	SM: 0.3 dB(average), 0.5 dB(maximum)
Return Loss	Typical 55dB, Maximum 60dB (APC)
Operating Temp	-40°C to + 75°C

Tension	≤ 0.2dB change 0.75kg
Durability	≤ 0.3dB, 500 matings
Standard	TIA/EIA 604-10
Compliance	Intermateability IEC 61754-20; EU regulation : RoHS Flammability Grade : UL94 V-0 (Optional)

Ordering Information

Mechanical Connector Termination Kit

Part Number	Description
MCT-KIT	Basic Mechanical Connector Termination Kit includes WRXCL10 Precision Cleaver, 10Mw VFL, VFL adapter(1.25mm), KS-1 Shears, SNIPER6 Cable Stripper, Lint-free Wipes 4"x4" (100), QUICKLEAN Tool, Cleaning Fluid Bottle, 2.50mm Cleaning Pen, 1.25mm Cleaning Pen, Ruler, Marker, Soft Case
MCT-KITP	Professional Mechanical Connector Termination Kit includes MCT-KIT plus WRXTS1 Thermal Stripper

FTTH 900μm SC Singlemode Mechanical Connectors

Part Number	Description
FTTHMC-SCA-SM-09-10	FTTH field-installable 900μm SC/APC Mechanical Connectors (10 pack)
FTTHMC-SCU-SM-09-10	FTTH field-installable 900μm SC/UPC Mechanical Connectors (10 pack)