OPTIX

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Field Installable and Reusable

The Optix America 900um FTTH SC singlemode mechanical connector is a simple, pre-polished connector with two piece design and features a fast and consistent field termination in less than two minutes. They are designed for FTTH connections with 900um or 250um single strand tight buffer or loose tube cable and are available in SC/APC singlemode and SC/UPC singlemode styles. These connectors are reusable up to three times avoiding costly scrapped connectors on "failed" connections. Our connectors use Corning glass and are compliant to TIA/EIA 604-10.

Features

- Ideal for FTTH and FTTX installations
- Simple, fast, & consistent field termination
- Field installable in less than 2 minutes
- Reusable up to 3 times
- Flame retardant connector housings
- Compliant to TIA/EIA 604-10
- Available in 900um SC/UPC singlemode and SC/APC singlemode styles

Procedure for Installation

- When using 250um cable place furcation tube onto cable
- Mark 27mm from end of 900um or 250um cable
- Strip buffer tube and acrylate coating to the 27mm mark
- Cleave fiber to a 17mm length cleave
- Remove the retainer clip from the connector
- Insert fiber into connector until it is fully seated
- Press the window to engage mechanical connection
- Remove the dust cap and apply a light source
- Bright light means fiber is not properly seated
- Dim light means fiber is properly seated

Specifications

900um SC Singlemode Field Installable Mechanical Connector	
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	WRXCL10 Precision cleaver, 10Mw VFL, VFL adapter (1.25mm), Sniper 6N1 fiber prep tool, KS-1 shears, lint-free wipes 4"x4" (100), Quickclean, 2.50mm cleaning pen, 1.25mm cleaning pen, cleaning fluid bottle, ruler, marker, soft case with shoulder strap

FTTH 900um SC Singlemode Mechanical Connectors

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