## 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

- Place plastic boot onto 250um or 900um cable
- If using 250um cable, then place furcation tube onto cable
- Strip fiber cable buffer tube and acrylate coating to about 30mm
- Clean fiber with fiber optic cleaning fluid
- Cleave fiber to a 17mm length cleave
- Press black retainer clip into connector and then remove clip from the connector
- Insert fiber into connector until it is fully seated
- Apply gentle positive insertion force to the fiber and press window to engage mechanical connection
- Remove the dust cap and apply a light source, bright light in window means fiber is not properly seated and dim light means fiber is properly seated
- To remove fiber cable from connector, press black retainer clip back onto connector and remove fiber cable

# 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) |