

SC-APC Singlemode Bend Insensitive Patch Cord

Patch Cord SC-APC, 900µm LSOH Tight Buffer

Infinique's SC-APC Singlemode Patch Cord are pre-polished in the factory and have been designed for high quality termination. Fitted on both sides with Angled Polished Connectors, the connector housing and shutters fully protect the ferrule against dust, dirt and scratching. Each patch cord passes the stringent 400x visual inspection and are tested for insertion and return loss before being individually packed with the test report.

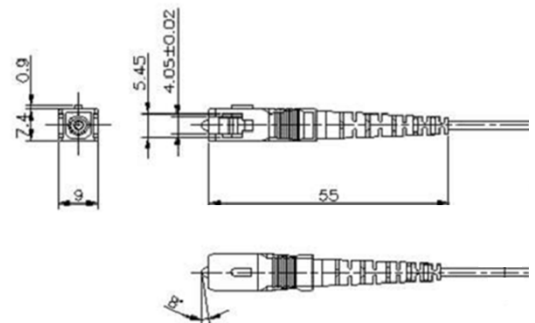
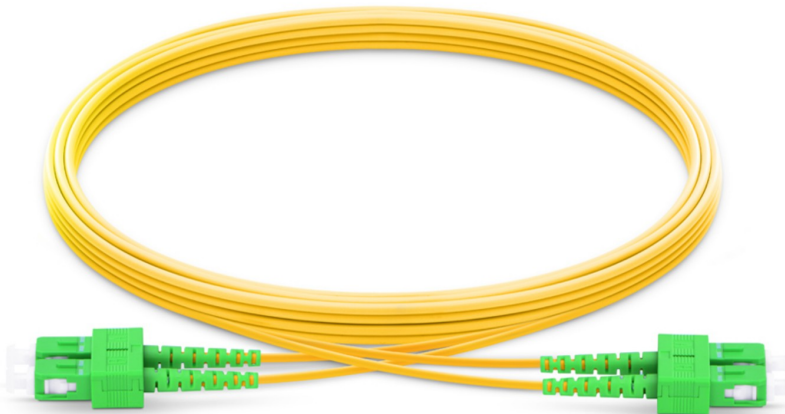
Bend-insensitive, G.657A1 LSOH Singlemode TB Fiber is used in the manufacture of patch cords that assures low bending loss and protection against accidental tight bends down to 7.5 mm radius.

To confirm high performance and reliability, these patch cords are tested and certified as per Telcordia standards GR-326, Generic Requirements for Single-Mode Optical Connectors and Jumper Assemblies.

Features and Benefits

- **Certification**
IEC, EIA/TIA, Telcordia GR-326 Standards
- **Reliable Performance**
Connectors are factory polished, low insertion loss, factory tested with a detailed test report
- **Quality Design**
Bend-insensitive, G.657A1, Gel Free, LSZH Fiber Cable
- **Easy Identification**
Color coded connectors and cable as per Telcordia standards, unique serial number for traceability
- **Speedy Installation**
Pre-assembled patch cords offers plug-n-play solution and speedy installation

SC-APC SINGLEMODE PATCH CORD CONSTRUCTION



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| CONNECTOR SPECIFICATIONS | |
|---------------------------------|-----------------------------|
| Connector Type A | SC-APC |
| Connector Type B | SC-APC |
| Ferrule Material | Ceramic |
| Connector Polish | APC |
| Housing Material | Composite |
| Housing Color | Green |
| Boot Type | Simplex |
| Boot Color | Green |
| Durability | ≤ 0.2 dB 1000 mating cycles |
| Tensile Strength | 44 N |
| End Face Radius of Curvature | 5 to 12 µm |
| End Face Fiber Spherical Height | ±0.05 µm |
| Insertion Loss, Typical | ≤ 0.2 dB |
| Insertion Loss, Max | < 0.3 dB |
| Return Loss, Typical | ≥ 65dB |
| Return Loss, Max | ≥ 85dB |
| Reflectance, Typical | ≤ -65 dB |

| CABLE SPECIFICATIONS | |
|-----------------------|---|
| Fiber Type | ITU G.657A1 Singlemode Fiber OS2 |
| Fiber Count | Simplex - 1 Fiber, Duplex - 2 Fibers |
| Fiber Core Diameter | 9 µm |
| Wavelengths | 1310 nm / 1550 nm |
| Linear Attenuation | 0.38 dB/km / 0.25 dB/km |
| Minimum Bend Radius | 30 mm |
| Crush Resistance | 1000 N/10 cm |
| Tensile Strength | 200 N |
| Outer Jacket Diameter | 2.8 mm, Length 1, 2, 3 meter or Custom Length |
| Outer Jacket Material | LSZH |
| Outer Jacket Color | Yellow |

| TEMPERATURE RANGE | |
|---------------------------|------------------|
| Installation and Assembly | -20 °C to +60 °C |
| Operating Temperature | -40 °C to +75 °C |
| Storage Temperature | -55 °C to +85 °C |

STANDARDS

GR-326, Generic Requirements for Single-Mode Optical Connectors and Jumper Assemblies
 Optical Interface Standards IEC 61754, ISO/IEC 24764
 IEC 61034 and EN 50268 LSOH Low Smoke Zero Halogen
 IEC 60874 Compliant

TEST REPORT FORMAT

Test Report Print: Packed with each individual product includes: Part Number, Description, Wavelength, Insertion Loss and Return Loss
 Visual Inspection: Quality control visual inspection of the component is conducted to determine if the product passed the quality test.
 Component Packing: Quality control visual inspection of the packing is conducted to determine if the component is packed correctly with product label and test report.

PACKING

The SC-APC Singlemode Patch Cords are packaged individually along with the printed test report.

| ORDERING INFORMATION | | |
|----------------------|--|-------------------|
| Part Number | Description | Connector |
| IFAPCSMSCSCS1 | Infinique Fiber Patch Cord SC-SC APC Singlemode Simplex 1M | Singlemode SC-APC |
| IFAPCSMSCSCS2 | Infinique Fiber Patch Cord SC-SC APC Singlemode Simplex 2M | Singlemode SC-APC |
| IFAPCSMSCSCS3 | Infinique Fiber Patch Cord SC-SC APC Singlemode Simplex 3M | Singlemode SC-APC |
| IFAPCSMSCSCS5 | Infinique Fiber Patch Cord SC-SC APC Singlemode Simplex 5M | Singlemode SC-APC |
| IFAPCSMSCSCD1 | Infinique Fiber Patch Cord SC-SC APC Singlemode Duplex 1M | Singlemode SC-APC |
| IFAPCSMSCSCD2 | Infinique Fiber Patch Cord SC-SC APC Singlemode Duplex 2M | Singlemode SC-APC |
| IFAPCSMSCSCD3 | Infinique Fiber Patch Cord SC-SC APC Singlemode Duplex 3M | Singlemode SC-APC |
| IFAPCSMSCSCD5 | Infinique Fiber Patch Cord SC-SC APC Singlemode Duplex 5M | Singlemode SC-APC |