

LC-APC Singlemode Pigtail

Singlemode Pigtail LC-APC, Bend Insensitive, LSZH

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

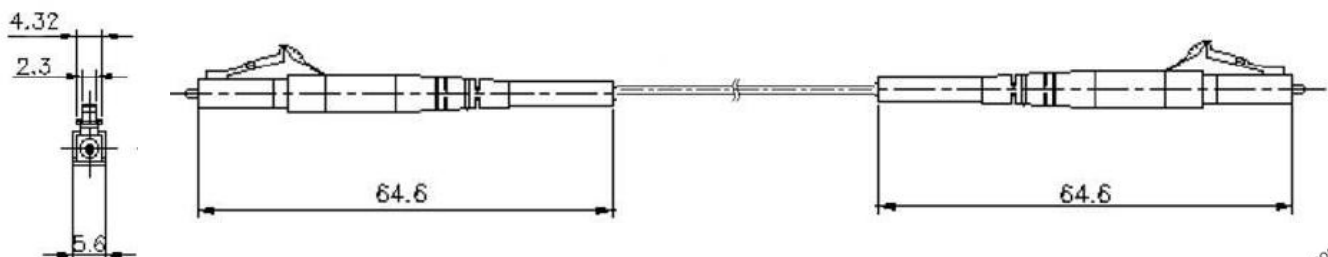
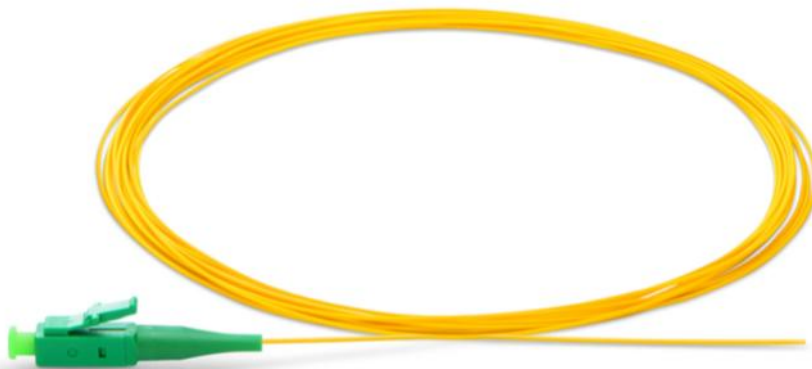
Bend-insensitive, G.657A1 LSOH Singlemode TB Fiber is used in the manufacture of pigtails that assures low bending loss and protection against accidental tight bends down to 7.5 mm radius.

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**
 Connector End Face Geometry is factory inspected in compliance with Telcordia GR-326 Standard to ensure high performance
- Quality Design**
 Bend-insensitive, G.657A1, Gel Free, LSZH
- Easy Identification**
 Color coded connectors and cable as per Telcordia standards, unique serial number for traceability
- Speedy Installation**
 Pre-assembled pigtails offers plug-n-play solution and speedy installation

LC-APC SINGLEMODE PIGTAIL CONSTRUCTION



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CONNECTOR SPECIFICATIONS

Connector Type	LC-APC
Ferrule Material	Ceramic
Connector Polish	APC
Housing Material	Composite
Housing Color	Green
Boot Type	Simplex
Boot Color	Green
Durability	500 minimum mating cycles (IEC 61300-2-2)
Cable Retention	5N, 60s (IEC 61300-2-4)
End Face Geometry	Core Region: No Defects, Clad Region: 3 µm to 20 µm (IEC 61300-3-16/16/23)
End Face Geometry Structure	Curvature Radius: 5-12 µm , Fiber Spherical Height ±0.05 µm, Sphere Offset: ≤ 50 µm
Insertion Loss, Typical	≤ 0.2 dB (IEC 61300-3-4)
Insertion Loss, Max	< 0.3 dB (IEC 61300-3-4)
Return Loss, Max	≥ 65dB (IEC 61300-3-6)
Reflectance, Typical	≤ -65 dB

CABLE SPECIFICATIONS

Fiber Type	ITU G.657A1 Singlemode Fiber OS2
Fiber Count	1
Fiber Core Diameter	9 µm
Wavelengths	1310 nm / 1550 nm
Linear Attenuation	1310nm: 0.38 dB/km / 1550nm: 0.25 dB/km
Minimum Bend Radius	50 mm (IEC 60794-1-2 E11)
Crush Resistance	500 N/10 cm
Tensile Strength	Installation: 5 N Operation: 1 N (IEC 60794-1-2 E1)
Outer Jacket Diameter	900 µm
Outer Jacket Material	LSZH Tight Buffer
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 LC-APC Singlemode Pigtails are packaged in 10 numbers along with the test report.

ORDERING INFORMATION

Part Number	Description	Connector
IFAPSM1C1	Infinique Fiber LC-APC Singlemode Pigtail 0.9mm LSOH 1M	Singlemode LC-APC



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.