FS

FTTA Fiber Patch Cable Datasheet

DESIGNED FOR OUTDOOR BASE STATION CONSTRUCTION

Overview

FTTA patch cable is designed for high reliability in heavy industrial and harsh environment applications, including fiber to the antenna solution. Consisting of Corning fiber cable and LC UPC duplex connectors, the cable features superior crush resistance and a high degree of flexibility with the armored tube. Furthermore, the cable features a flame retardant LSZH jacket which is UV stabilized and highly resistant to chemicals commonly found in industrial environments, also suitable for both indoor and outdoor industrial installations.

Standards Compliance

• IEC 61754 series compliant

• Qualified to IEC61753-1 Category OP

• ISO 9001, RoHS compliant

Features

• Corning G.657.A1 bend insensitive fiber

• Excellent flexibility for remote traction

• Insertion loss and return loss testing

• End-face inspection

• 3D interferometer test

• Designed for FTTA application

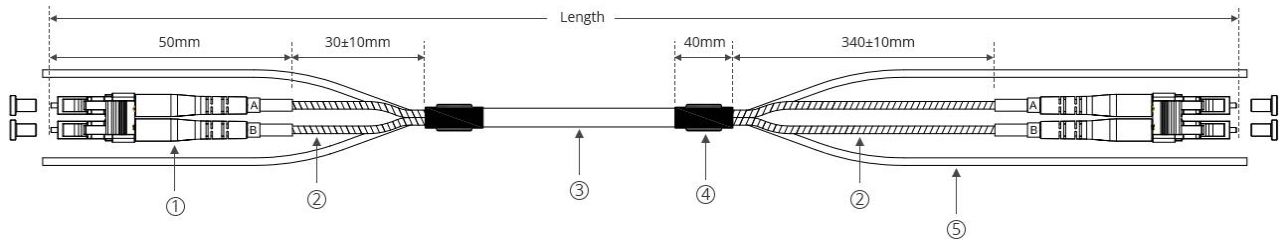• For wireless horizontal and vertical cabling in outdoor environment

Technical Specification

Physical Characteristics	Description
Fiber Count	Simplex/Duplex
Fiber Mode	Single Mode: OS2 9/125μm
Fiber Grade	Corning G.657.A1
Connector	LC UPC/LC APC/SC UPC/SC APC
Cable Jacket	Low Smoke Zero Halogen (LSZH)

Optical Characteristics	Description
Insertion Loss (dB)	≤0.3
Return Loss (dB)	≥50
Wavelength (nm)	1310/1550
Attenuation (dB/km)	≤0.36 at 1310nm ≤0.22 at 1550nm

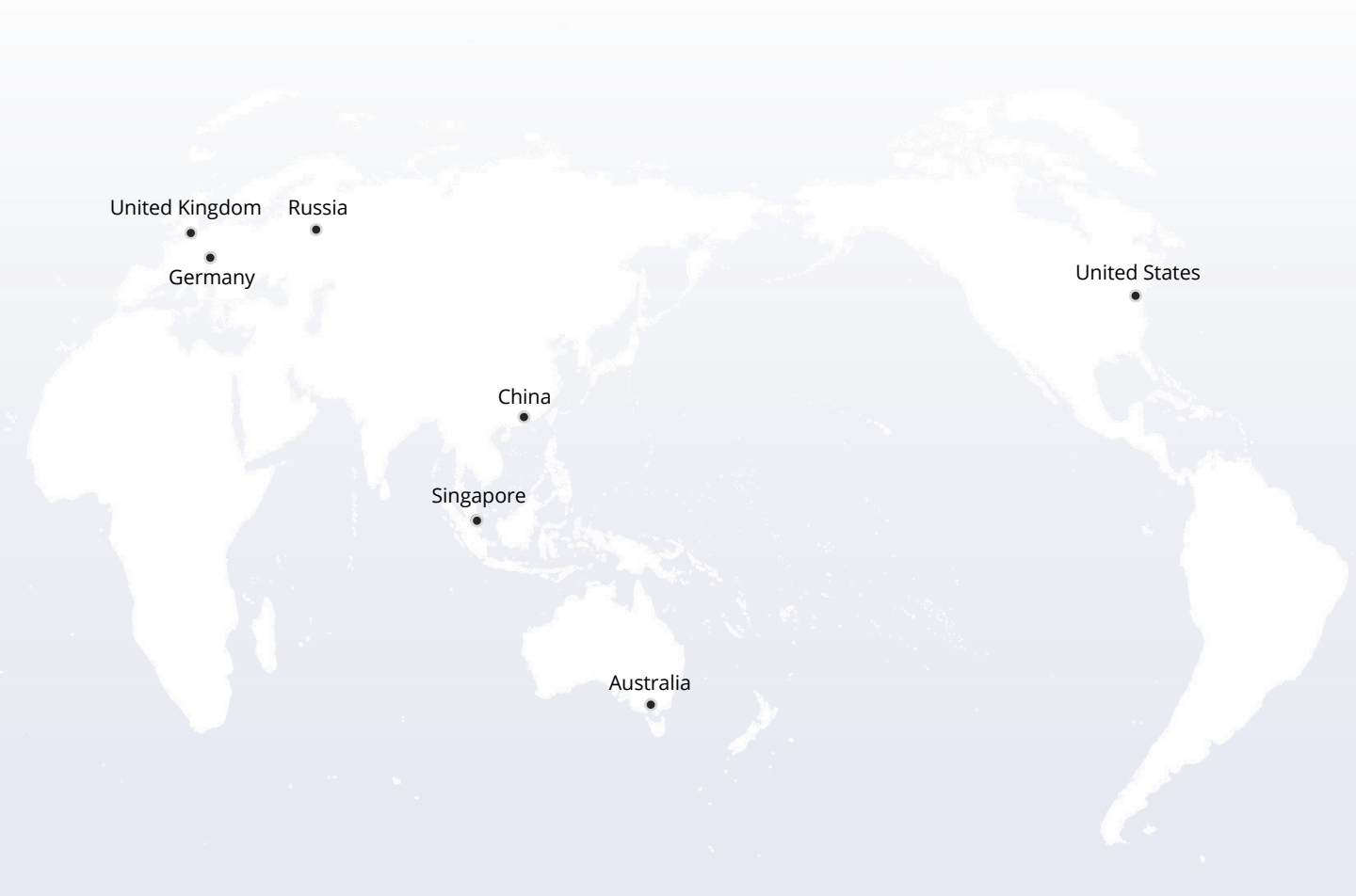| Physical Characteristics	Description
Cable Diameter (mm)	7.0/2.0 (Outer/Inner)
Armored Breakout Length (m)	0.03/0.34 (End A/B)
Min. Bend Radius (D)	20/10 (Dynamic/Static)
Tensile Strength (N)	200/400 (Long Term/Short Term)
Crush Resistance (N)	1100/2200 (Long Term/Short Term)
Operating Temperature	-20 to +70°C
Storage Temperature	-40 to +80°C

Technical Drawing

① LC UPC Connector ② Armored Tube ③ Φ7.0mm Outer Cable Jacket ④ Heat Shrink Tube ⑤ Strength Member

* The total length of this cable is the distance from the connector ferrule at one end to the ferrule at the other end.

Hot Products

ID	Description
#97935	1m (3ft) LC UPC to LC UPC Duplex OS2 7.0mm LSZH FTTA Fiber Patch Cable
#155211	3m (10ft) LC UPC to LC UPC Simplex OS2 7.0mm LSZH FTTA Fiber Patch Cable
#155219	3m (10ft) LC UPC to SC UPC Duplex OS2 7.0mm LSZH FTTA Fiber Patch Cable
#155218	Customized LS/SC Simplex OS2 7.0mm LSZH FTTA Fiber Patch Cable
#155226	Customized LS/SC Duplex OS2 7.0mm LSZH FTTA Fiber Patch Cable

United Kingdom   Russia

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China

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