

Fiber Optic Accessories

Invisible Optical Cable

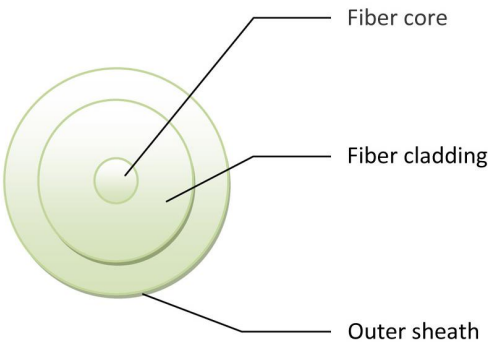
Overview

Mainly used as wiring cable in user access section of fiber to the home (FTTH) and other optical access (FTTx) network. Can be matched connectors for pre-assembling or field assembling. The LongXing transparent fiber system provides installers with a fast and easy technique for deploying fiber seamlessly around baseboard, windows and trim work – holding firmly in place and nearly invisible to the casual observer

Features

- Ultra bend-insensitive fiber
- Fiber bonds consistently to common surface types in any indoor environment
- Does not require messy caulking, staples or brackets
- Installed cable almost undetectable to the casual observer
- Reduced bend radius fiber technology is less susceptible to attenuation loss as a result of handling and tight bends

Profile View



Cable Dimensions

Cladding Diameter	125.0±0.7 μ m
Cable dimension	0.9±0.05mm
Outer sheath thickness	≥0.25mm
Cable weight	1kg/km



Cable Parameters

Attenuation	$\leq 0.4\text{dB/km}@1310\text{nm}$, $\leq 0.25\text{dB/km}@1550\text{nm}$
Macrobending Loss	5mm 1round, Additional loss $\leq 0.25\text{dB}@1550\text{nm}$, $\leq 0.45\text{dB}@1625\text{nm}$
Tensile Failure Force	$\geq 65\text{N}$
Tensile	Short term 20N, Additional loss ≤ 0.03 ; Long term 5N Additional loss ≤ 0.03
Crush	Short term 500N/100mm, Long term 100N/100mm
Impact	0.5J 3times, No visual crack of cable sheath, Additional loss $\leq 0.4\text{dB}@1550\text{nm}$
Repeat Bending	5N 200times, No visual crack of cable sheath, Additional loss $\leq 0.4\text{dB}@1550\text{nm}$
Torsion	5N $\pm 180^\circ$ 20times, No visual crack of cable sheath, Additional loss $\leq 0.4\text{dB}@1550\text{nm}$
Minimum-bending Radius	Operation 5mm, Installation 10mm
Temperature Cycling	-10 \sim 50 $^\circ\text{C}$, 2cycles, Additional loss $\leq 0.2\text{dB/km}$
Environmental Protection	Operation 5mm, Installation 10mm
Temperature Cycling	RoHS compliant

Cable Environmental Performance

Operation Temperature	-10 \sim 50 $^\circ\text{C}$
Storage Temperature	-10 \sim 50 $^\circ\text{C}$
Installation Temperature	-10 \sim 50 $^\circ\text{C}$



Part Details



LongXing Telecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
www.lxtelecom.com



LongXing Telecom



LongXingTelecom



+86 574 87908988
+86 574 87908188
Ver: 300616

LONGXING

Structured Cabling Solutions