

# INDOOR CABLE

Invisible Optical Cable ( 3C-IPC)

## Profile View

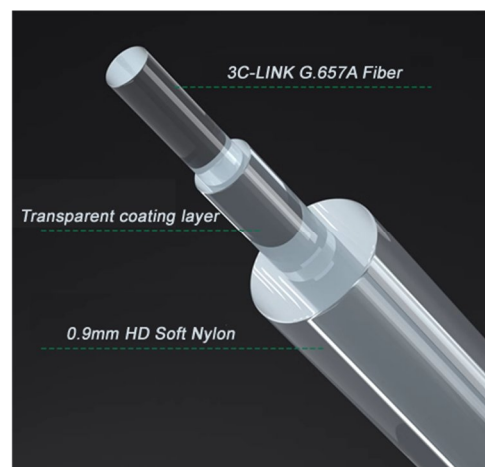
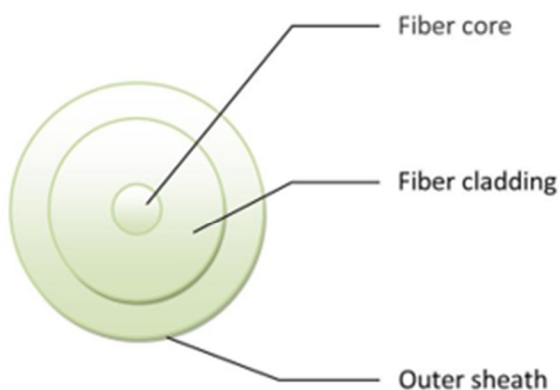
Mainly used as wiring cable in user access section of fiber to the home (FTTH) and other optical access (FTTx) network. Can be matched connectors for pre-assembling or field assembling. The LongXing transparent fiber system provides installers with a fast and easy technique for deploying fiber seamlessly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

3C-LINK Invisible micro cables with transparent buffer tubes attach discretely to walls and ceilings using ultra-bend-insensitive fibers and adhesive clips. These unobtrusive cables maintain high broadband speeds for indoor networks without running noticeable conduits. They feature swift, non-destructive applications.

## 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

## Cable Construction



## Flexible fiber with anti bending properties



### Technical Specification

#### Cable Dimensions

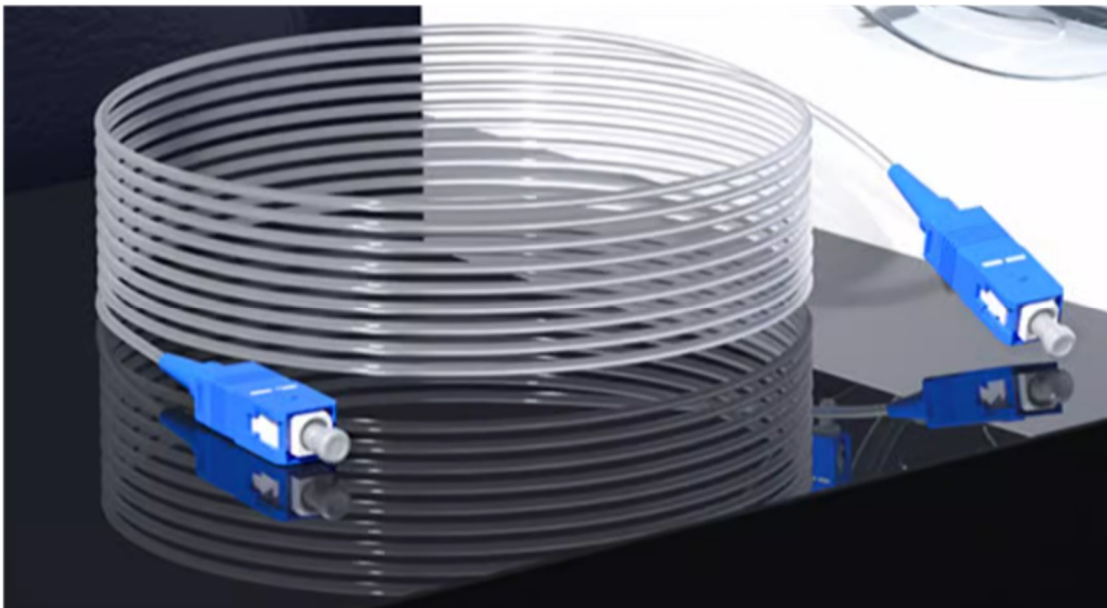
|                        |             |
|------------------------|-------------|
| Cladding Diameter      | 125.0±0.7μm |
| Cable dimension        | 0.9±0.05mm  |
| Outer sheath thickness | ≥0.25mm     |
| Cable weight           | 1kg/km      |

#### Cable Parameters

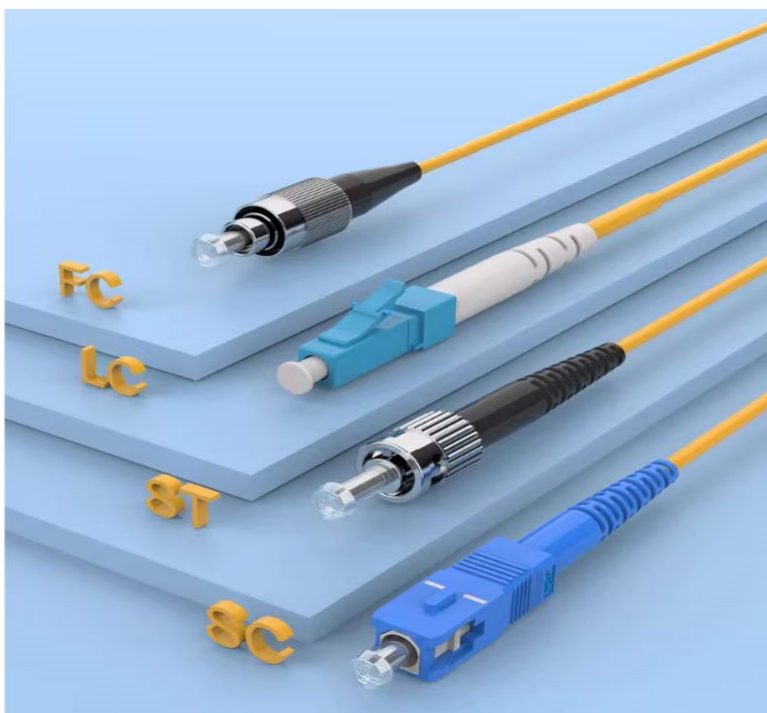
|                        |  |
|------------------------|--|
| Attenuation            | ≤0.4dB/km@1310nm, ≤0.25dB/km@1550nm  |
| Macrobending Loss      | 5mm 1round, Additional loss≤0.25dB@1550nm, ≤0.45dB@1625nm                      |
| Tensile Failure Force  | ≥65N   |
| Tensile                | Short 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≤0.4dB@1550nm     |
| Repeat Bending         | 5N 200times, No visual crack of cable sheath, Additional loss≤0.4dB@1550nm     |
| Torsion                | 5N ±180°20times, No visual crack of cable sheath, Additional loss≤0.4dB@1550nm |
| Minimum-bending Radius | Operation 5mm, Installation 10mm   |
| Temperature Cycling    | -10～50℃, 2cycles, Additional loss≤0.2dB/km                                     |

|  |                                  |
|--|----------------------------------|
| <b>Environmental Protection</b>        | Operation 5mm, Installation 10mm |
| <b>Temperature Cycling</b>             | RoHS compliant                   |
| <b>Cable Environmental Performance</b> |                                  |
| <b>Operation Temperature</b>           | -10~50°C                         |
| <b>Storage Temperature</b>             | -10~50°C                         |
| <b>Installation Temperature</b>        | -10~50°C                         |

## Invisible Patch cord:



## Typical Connector available



## Application



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