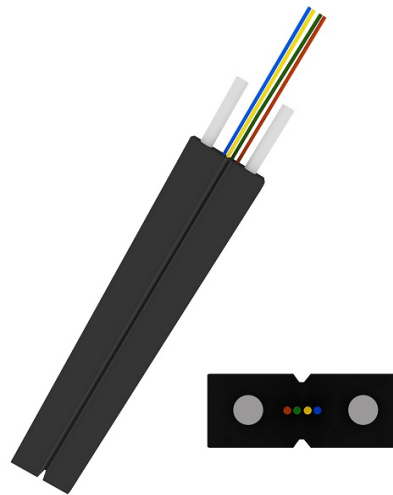


## FTTH Bend Resistance Drop Cable



The LiteLinX All-Dielectric FTTH Drop Cable is a cost-effective, compact cable designed for both indoor and outdoor applications, making it an ideal choice for short-distance external usage. Its flat design facilitates easy stripping without the need for specialized tools, streamlining the installation process.

The optical fiber is centrally positioned within the cable, with two parallel reinforcement rods made of either KFRP (Kevlar Fiber Reinforced Plastic) or FRP (Fiber Reinforced Plastic) located on both sides. These rods serve to protect the fibers against crushing and traction forces, ensuring their safety.

The LSZH (Low Smoke Zero Halogen) outer jacket provides excellent flame-retardant properties, emitting low levels of smoke and containing no halogen materials. This not only prevents toxicity but also offers resistance to UV radiation and various chemicals.

## Structure Design:

- Two parallel FRP are placed at two sides
- Optical Fiber Unit 1-12F ITU-T G.657.A1 / G.657.A2
- LSZH outer sheath

## Highlights:

- Compact Design:** For indoor and outdoor use, enhances aesthetics.
- Easy Access:** Simple peeling with minimal tools reveals clear fiber.
- Exterior Stapling:** Rugged design allows secure outside wall installation.
- Thermal Stability:** Maintains performance in extreme temperatures.
- OFNR/FTA Rated:** Suited for basements/attics before living spaces.
- All-Dielectric:** Eliminates need for bonding or grounding.

## Specification:

Fiber Count	1 to 12F	
Strength Member	Material	FRP
	Diameter (mm)	Nominal 0.5
Outer Jacket	Material	LSZH
	Dimension (mm)	2.0(±0.2)*3.0(±0.2)mm
	Color	Black / White
Cable Weight	Kg/Km	9.2

## Optical Characteristics:

Fiber Count	1 to 12F		
Attenuation Coefficient	@1310nm	≤ 0.36 dB/Km	
	@1550nm	≤ 0.21 dB/Km	
Macro bending loss (1 turn 10mm radius for G.657.A1; 7.5mm radius for G.657.A2)	ITU-T Standard	G657.A1	G657.A2
	@1550nm	≤ 0.75 dB	≤ 0.5 dB
	@1625nm	≤ 1.5 dB	≤ 1.0 dB
Temperature Range	Operation	- 20°C ~ +70°C	
	Installation	-20°C ~ +60°C	
	Storage	- 20°C ~ +70°C	

## Mechanical Performance

- No leakage through the open cable end in Water Penetration Test IEC 60794-1-F5B
- The Tensile Loading Test, Torsion Test, Crush/Impact Resistance Tests, Repeated Bending Test, and Temperature Cycling Test in compliance with IEC Standards did not result in any jacket cracking or fiber breakage.

## Color Code:

The individual fibers and loose tubes comply with the TIA/EIA-598-A Standard.