

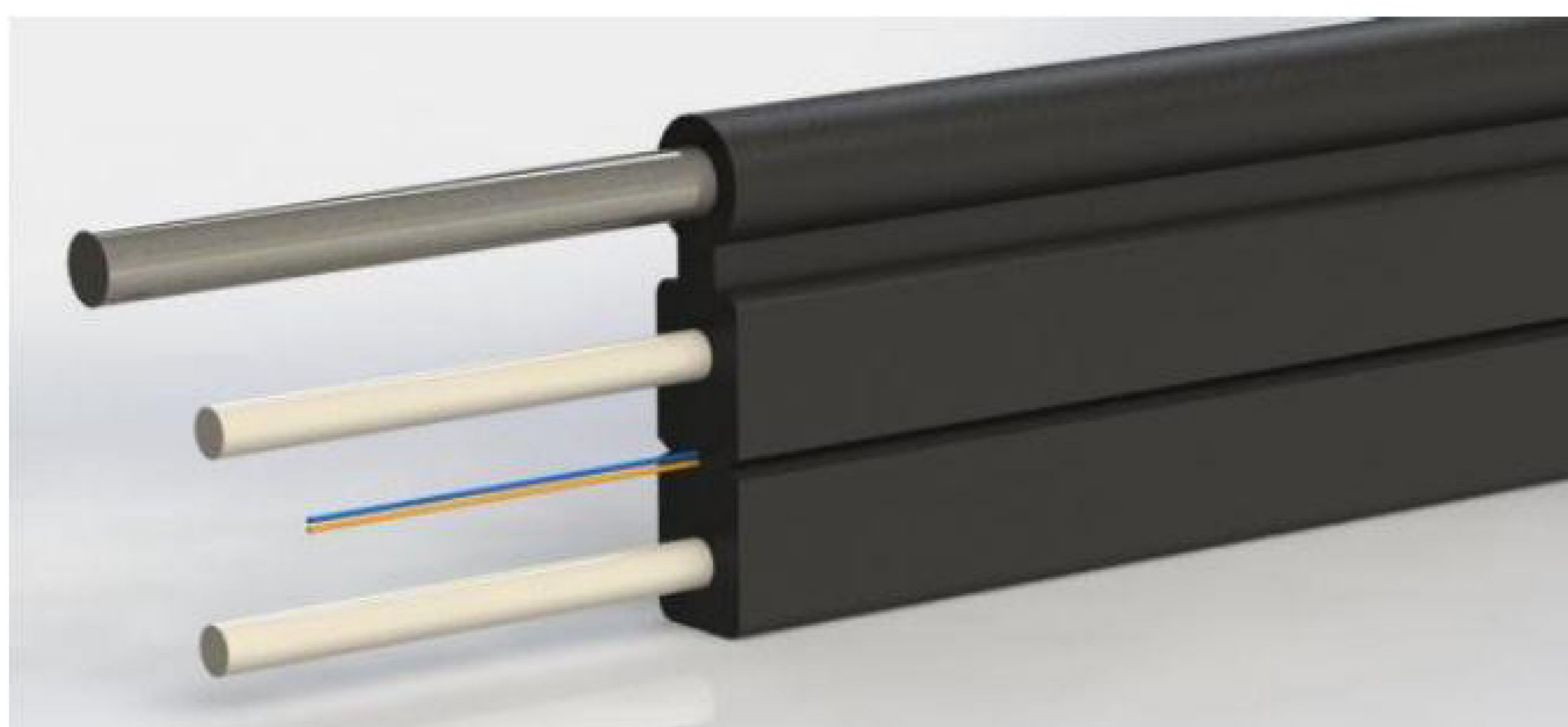
## TECHNICAL DATA SHEET

### SINGLE MODE G.657 FTTH DROP CABLE OUTDOOR

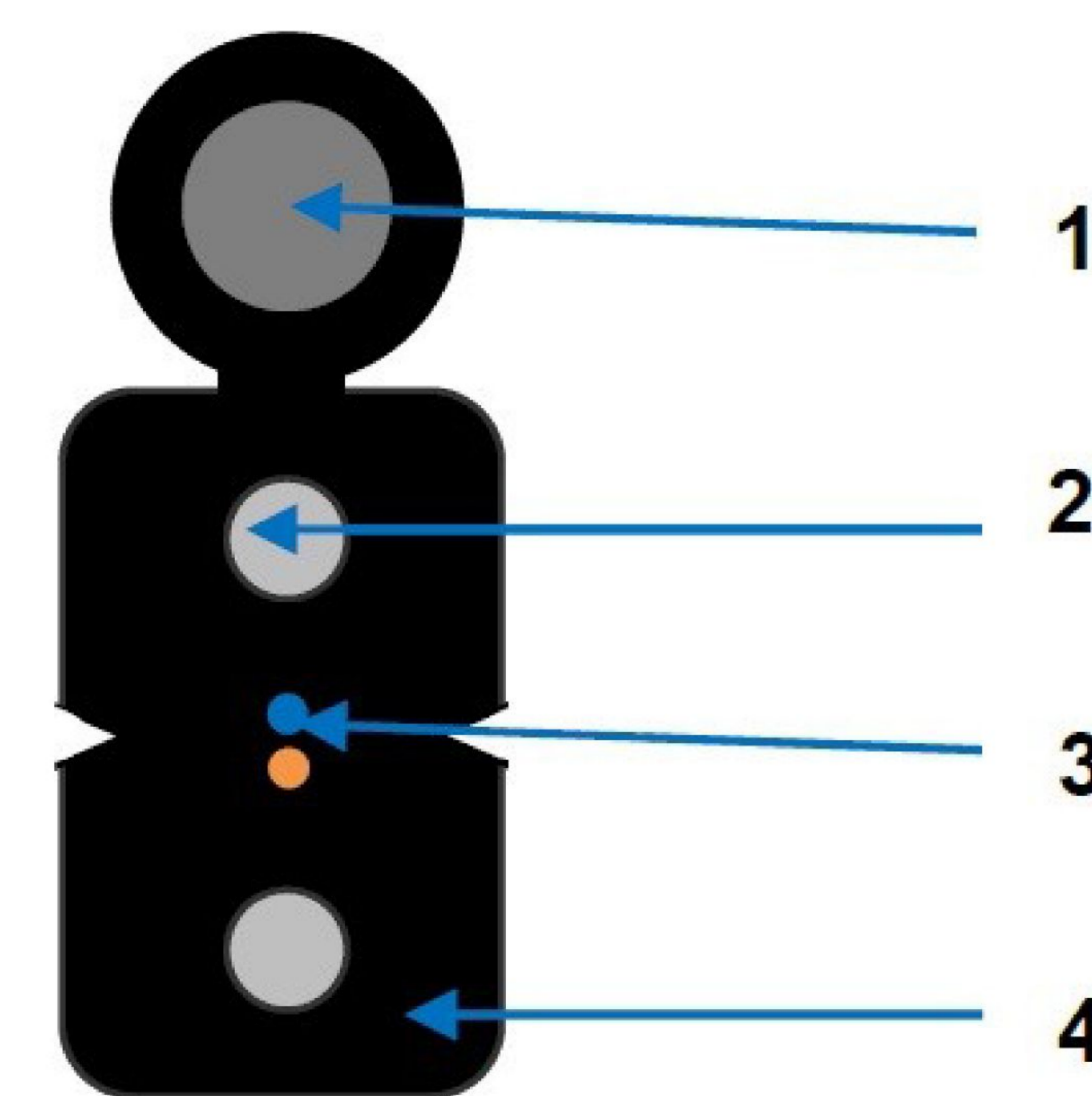
#### CABLE CONSTRUCTION

<b>Cable Type</b>	01 FIBER / 2FIBER DROP CABLE OUTDOOR
<b>Fiber Count</b>	1 Fiber / 2 Fiber
<b>Fiber Type</b>	Single Mode Fiber as per ITU-T G.657
<b>Fiber Color</b>	Any color out of 12 available colors
<b>Strength Member</b>	FRP (Fiber Reinforced Plastic) 2 x Parallel Robust strength members are placed at two sides
<b>Strength Member</b>	Zinc Coated Steel Wire
<b>Outer Sheath (Material)</b>	Low Smoke Zero Halogen (LSZH)
<b>Outer Sheath (Color)</b>	Black
<b>Outer Diameter of Cable</b>	2.0 ± 0.2mm x 5.0 ± 0.2mm (Nominal)
<b>Outer Sheath Printing</b>	<b>Litech Pakistan (Private) Limited = 1F FTTH DROP OFC</b> <b>= Year of Mfg = Length Marking</b> <b>Litech Pakistan (Private) Limited = 2F FTTH DROP OFC</b> <b>= Year of Mfg = Length Marking</b>
<b>Cable Weight</b>	18 kg/km (Maximum)
<b>Packing</b>	Suitable Strong Reel
<b>Cutting Length</b>	2000 Meter ± 5%

#### CROSS SECTIONAL DRAWING



Picture is for reference only.

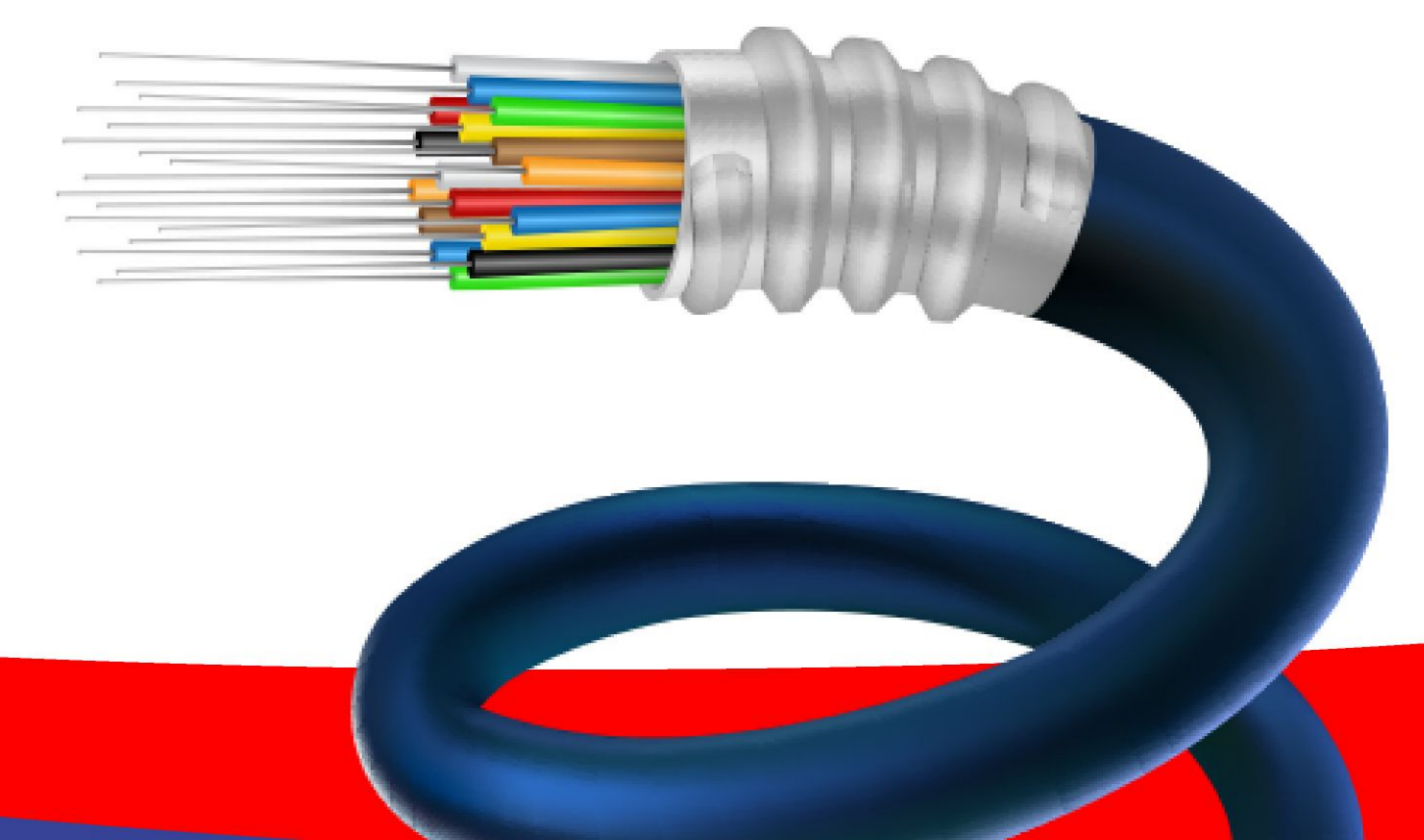
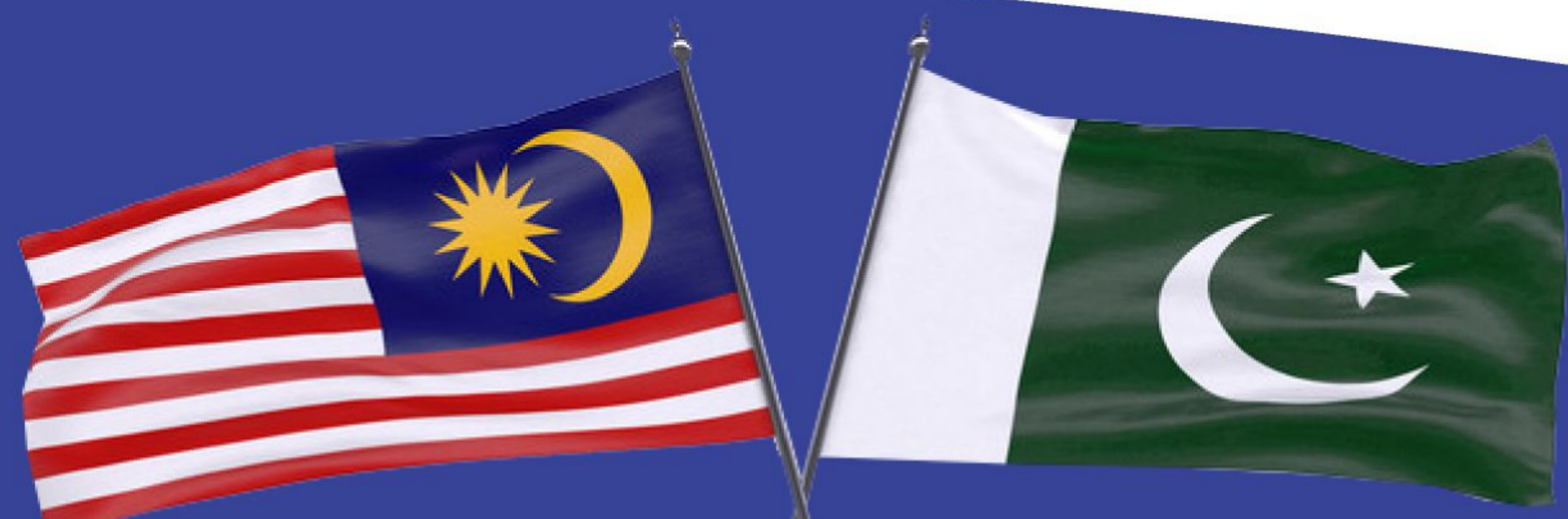


#### **Technical Characteristics**

- Low Weight
- Easy to install & joint
- Flame Retardant Low Smoke Zero Halogen Sheath

#### **Construction:**

1. Zinc Coated Wire
2. Strength Member (FRP)
3. SM G.657 Fiber
4. Outer Sheath (LSZH)



## FIBER PROPERTIES

Item	Offered Specification
<b>Fiber Type</b>	Single Mode ITU-T G.657
<b>Cladding Diameter</b>	125 ± 1 μm
<b>Primary Coating Diameter</b>	250 ± 15.0 μm
<b>Core/Clad Concentricity Error</b>	≤ 0.8 μm
<b>Cladding Non-Circularity</b>	≤ 2%
<b>Mode Field Diameter</b>	8.6 to 9.5 ± 0.7H1
<b>Attenuation Coefficient</b>	
	@ 1310 nm ≤ 0.40 dB/Km (Max)
	@ 1550 nm ≤ 0.30 dB/Km (Max)
<b>Chromatic Dispersion</b>	≤ 3.5 ps(nm.km) @ 1330nm ≤ 18 ps(nm.km) @ 1550nm
<b>Polarized Mode Dispersion (PMD)</b>	≤ 0.2 ps/km

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

S. No.	Item	Values
01.	<b>Temperature Range</b> <b>Operating</b> <b>Temperature</b> <b>Installation</b> <b>Temperature</b> <b>Storage &amp;</b> <b>Transportation</b>	-20 °C to + 70 °C -10 °C to + 50 °C -20 °C to + 70 °C
02.	<b>Tensile Strength</b>	≤ 100N (Maximum)
03.	<b>Crush Resistance</b>	50N/10cm (Maximum)
04.	<b>Cable Bending Test</b>	30mm (Dynamic) 15mm (Static)

*Note: All Mechanical & Environmental Test Shall be Conducted as per IEC-60794 Standard#*

### **Litech Pakistan (Private) Limited**

#### **FACTORY / REGISTERED OFFICE**

Plot # 95, Phase II,  
M-3 Industrial City,  
Faisalabad

**Ph#:** +92-41-2626672-73

**Fax:** +92-41-2626671

**Email:** info@litech.com.pk

#### **FAISALABAD**

Office No.01, Ground Floor,  
Lyalpur Regency Plaza, 949  
New Civil Lines, Faisalabad

**Ph#:** +92-41-2626672-73

**Fax:** +92-41-2626671

**Email:** fsd@litech.com.pk

#### **KARACHI**

61-C, 2nd Floor,  
21st Commercial Street,  
Phase II Ext, DHA Karachi

**Ph#:** +92-21-35885568-69

**Fax:** +92-21-35885570

**Email:** Khi@litech.com.pk

#### **ISLAMABAD**

5th Floor, Tower 10,  
Sector E-11/1 Markaz  
Islamabad

**Ph#:** +92-51-8744109-10

**Fax:** +92-51-8744110

**Email:** Isb@litech.com.pk

