

TECHNICAL DATA SHEET

SM G.652.D CENTRAL LOOSE TUBE FLAT DROP CABLE

CABLE CONSTRUCTION

Cable Type	SM G.652.D CENTRAL LOOSE TUBE FLAT DROP CABLE	
Fiber Count	1 Fiber to 12 Fibers	
Fiber Type	Single Mode Fiber as per ITU-T G.652.D	
Fiber Color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow,	
	Violet, Rose, Aqua	
Number of Loose		
Tubes		
Loose Tube Material	PBT	
Jelly Compound inside LT	Thixotropic Jelly Filling Compound	
	Thixotropic jeny i ming compound	
Strength Member	2 x Parallel Galvanized Steel Wires placed at two sides for Robust	
	strength	
Strength Member	2 x Parallel FRP placed at two sides for Robust strength as per	
(Optional)	customer requirement	
Outer Sheath	Medium/High Density Polyethylene (HDPE/MDPE)	
(Material)		
Outer Sheath (Color)	Black	
Outer Diameter of	6.0 x 3.5mm ±0.3mm Nominal	
Cable		
Outer Sheath Printing	Litech Pakistan (Private) Limited= No. of fiber = FTTH FLAT DROP OFC = Year of	
	Mfg > LM	
Packing	Suitable Strong Reel	
Cutting Length	2000 or 4000 meter \pm 5% or as requested in smaller length.	

CROSS SECTIONAL DRAWING



Picture is for reference only.

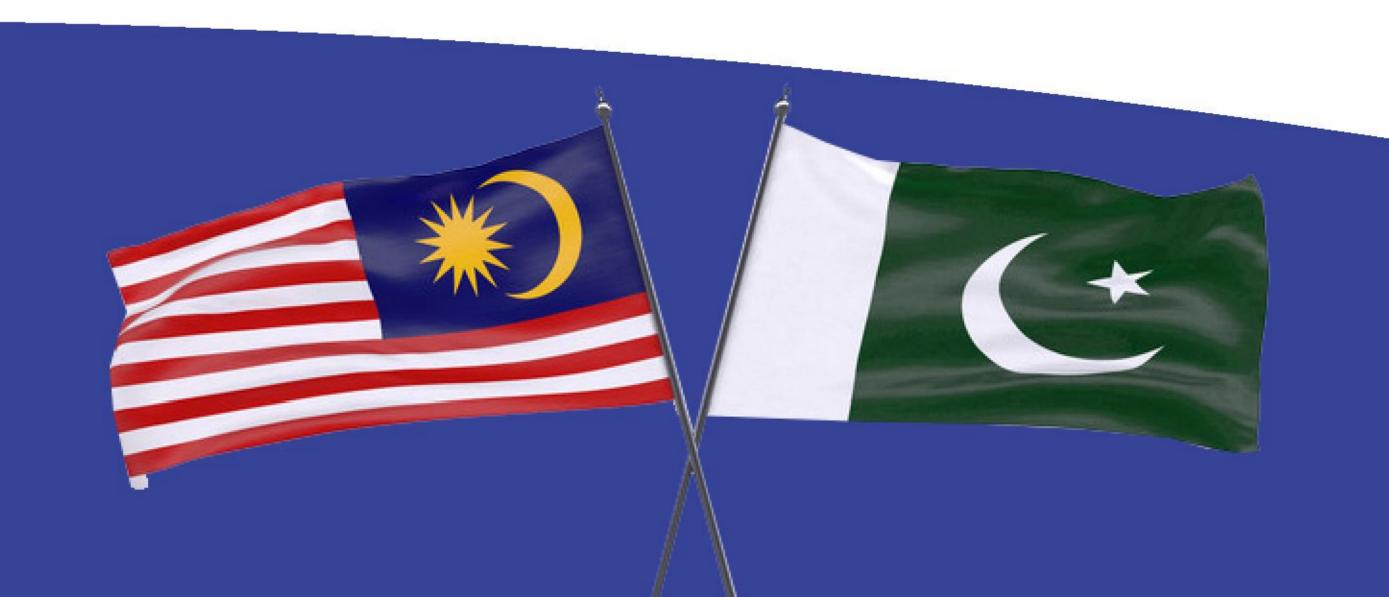
Outer Sheath Colored Optic Fiber Loose Tube - PBT Thixotropic Jelly Galvanized Steel Wire

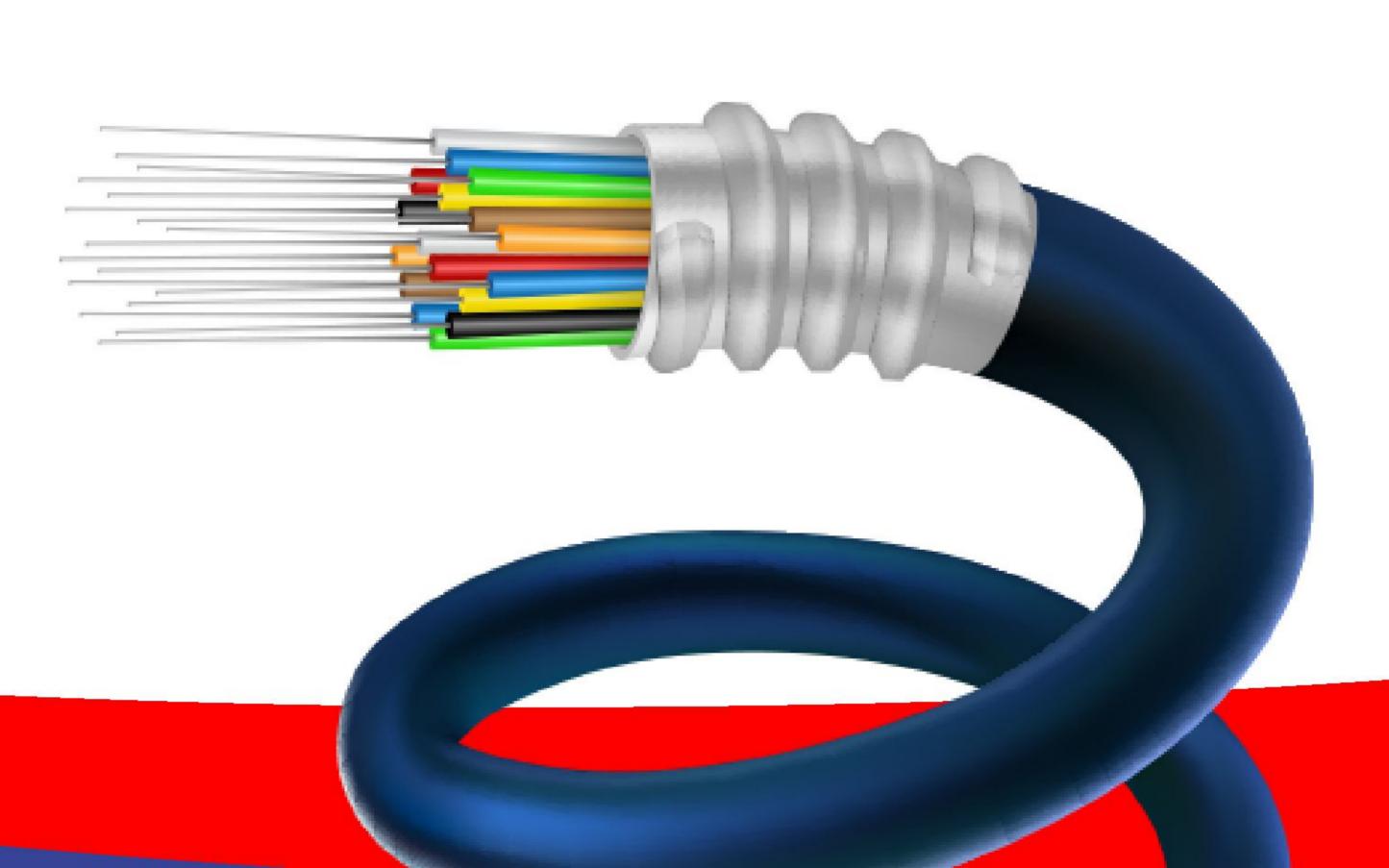
Technical Characteristics

- Low Weight
- Easy to install & joint
- HDPE Sheath

Construction:

- SM G.652.D Fiber
- PBT Loose Tube
- Thixotropic Jelly inside Loose Tube
- Strength Member (2 x Steel Wires)







FIBER PROPERTIES

OPTICAL CHARACTERISTICS	
Single Mode Fiber	CORNING SMF-28e+ G.652D
Fiber Colour Coding	As per TIA/EIA-598A&C
Mode Field Diameter, K3	$8.6 \text{ to } 9.5 \pm 0.7$
Cladding Diameter, K3	125 ± 1
Core Clad Concentricity error, K3	L 0.8 μm
Cladding Non-Circularity, %	L 2 %
Cable Cut-off Wavelength, nm	≤1260 nm
Chromatic Dispersion (ps/nm.km)	L 3.5 @ 1310nm L 18 @ 1550nm
Cabled Attenuation @ 1310 nm (dB/km) Cabled Attenuation @ 1550 nm (dB/km)	L 0.35 (average) L 0.21 (average)
Polarized Mode Dispersion (PMD) ps/√km	L 0.2

MECHANICAL CHARACTERISTICS		
Tensile Strength	1000N (Maximum)	
Crush Resistance	100N (Maximum)	
Impact Resistance	0.5 Kg From Meter Height	
Repeated Bending Test	10 Cycle	
Torsion Test	No. of Cycles: 05	
	Twist Angle: ± 180°	
Cable Bending Test	10 X Cable Diameter (No Load)	
	20 X Cable Diameter (Full Load)	
Temperature Range	-10 °C to +70 °C	

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

Standard.

MANUFACTURER	
Manufacturer	LITECH PAKISTAN (PRIVATE) LIMITED
Country of Origin	Islamic Republic of Pakistan
ISO	ISO 9001:2015 Certified

Litech Pakistan (Private) Limited

FACTORY / REGISTERED OFFICE

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