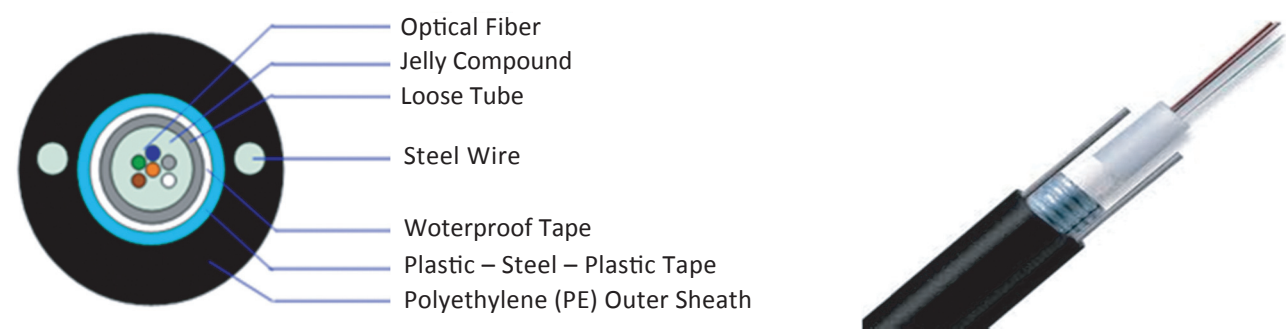


Description

CONNECSYS Single jelly compound filled loose tube containing up to 12 optical fiber cores which color code as per color coding scheme. Armored by waterproof tape and Plastic – Steel – Plastic tape, and surrounded by moisture barrier bonded to Polyethylene (PE) outer sheath incorporating two parallel steel wire strength elements.



Suitable Applications	Aerial, Outdoor Duct.
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Physical Characteristics

Optical Fiber Count	2 – 12 cores
Optical Fiber Type	Multimode 62.5/125 μm OM1; Multimode 50/125 μm OM2; Multimode 50/125 μm OM3; Singlemode 9/125 μm.
Centered Loose Tube Material	Polybutylene Terephthalate (PBTP)
Tube Diameter	1.9 mm - 2.60 mm
Tube Filling	Thixotropic Jelly Compound
2 Parallel Steel Wire Strength Member Diameter	1.20 mm
Thickness of Waterproof Tape	0.25 mm
Armoring Plastic - Steel - Plastic Tape	0.20 mm
Polyethylene (PE) Sheath Nominal Thickness	2.60 mm – 3.00 mm
Polyethylene (PE) Sheath Outer Diameter	8.60 mm - 10.20 mm

Mechanical Characteristics And Compliance Tests

Tensile Resistance – Short Term	1500 N	Conform to IEC-794-1-E1
Tensile Resistance – Long Term	600 N	
Crush Resistance – Short Term	1000 N/100 mm	Conform to IEC-794-1-E3
Crush Resistance – Long Term	300 N/100 mm	
Impact Resistance	Conform to IEC-794-1-E4	
Repeated Bending	Conform to IEC-794-1-E6	
Torsion	Conform to IEC-794-1-E7	
Flexing	Conform to IEC-794-1-E8	
Kink Resistance	Conform to IEC-794-1-E10	
Minimum Bending Radius	Conform to IEC-794-1-E11	
Vibration Test	Conform to IEC-794-1	
Water Penetration	Conform to IEC-794-1-F5B	
Dielectric Strength of Outer Jacket	Conform to ITU-T Rec. K25	
Abrasion	Conform to IEC-794-1-E2	
Spark Test Voltage	Spark Test Voltage on outer jacket will be no less than 8kV AC	
Temperature Requirements	Operation: -40°C ~ +60°C (Conform to Temperature Cycling Test IEC-794-1-F1) Installation: -30°C ~ +60°C	
Dynamic Load Bending Radius	10 Times of Cable Diameter	
Static Load Bending Radius	20 Times of Cable Diameter	
Optical Fiber Color (IEC 60304)	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua.	