



**Description:**

The 250um fibers are positioned in a loose tube made of PBT plastic. The tubes are filled with water-resistant Thixotropic jelly. Fiber-glass reinforced plastic (FRP) is located in the center of the core as a non-metallic strength member. The tubes and fillers are stranded around the strength member into a compact and circular core, which is surrounded by a water-resistant jelly. The cable is completed with a black PE or LSOH sheath.

**Features:**

- good flexible and bend-resistant performance
- good electromagnetism resistant performance

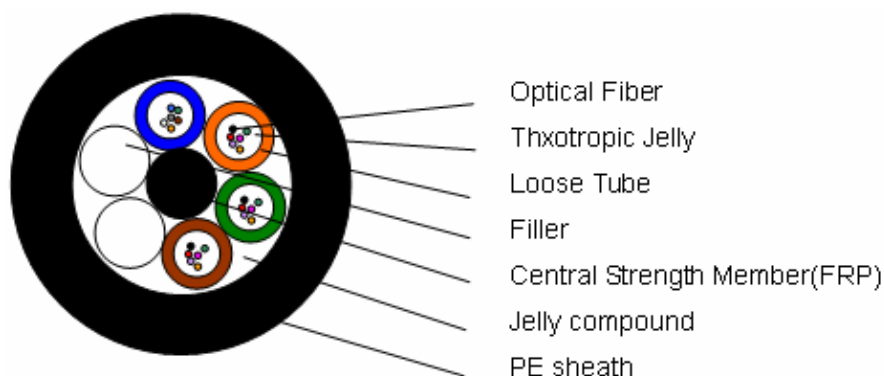
**Compliances:**

- ITU-T G651/G652 D (fiber)
- ANSI/TIA B.3
- IEC-794
- RoHS
- IEC 60332-1 for LSOH sheathed cable

**Applications:**

- suitable for aerial, duct and outside plant environments

**Drawing:**



**Structure & Environmental Characteristics:**

Loose Tube	Material	PBT
Strength Member	Material	Fiber-Glass Reinforced Plastic
Moisture Barrier	Material	Water-resistant Compound
Sheath	Material / Color	PE or LSOH / black
Operating Temperature	-40°C to +60°C for PE; -20°C to +60°C for LSOH	

**Mechanical Characteristics:**

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load (N/100mm)	Bend Radius	
			Short Term (N)	Long Term (N)		Static (mm)	Dynamic (mm)
4	11.5	118	1500	600	1000	10D	20D
6	11.5	118	1500	600	1000	10D	20D
8	11.5	118	1500	600	1000	10D	20D
12	11.5	118	1500	600	1000	10D	20D
24	11.5	118	1500	600	1000	10D	20D
36	11.5	118	1500	600	1000	10D	20D
48	11.5	118	1500	600	1000	10D	20D
72	11.5	118	1500	600	1000	10D	20D
96	13.2	152	1500	600	1000	10D	20D
144	16.4	228	1500	600	1000	10D	20D

Note: "D" is cable diameter

**Fiber Deployment:**

Table 7: Cable Construction						
Fibre No.	1	2	3	4	5	6
4F Cable	Blue L.T. 4F	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler
6F Cable	Blue L.T. 6F	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler
8F Cable	Blue L.T. 8F	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler
12F Cable	Blue L.T. 12F	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler
24F Cable	Blue L.T. 12F	Orange L.T. 12F	Black PE Filler	Black PE Filler	Black PE Filler	Black PE Filler
36F Cable	Blue L.T. 12F	Orange L.T. 12F	Green L.T. 12F	Black PE Filler	Black PE Filler	Black PE Filler
48F Cable	Blue L.T. 12F	Orange L.T. 12F	Green L.T. 12F	Brown L.T. 12F	Black PE Filler	Black PE Filler

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72F Cable	Blue L.T. 12F	Orange L.T. 12F	Green L.T. 12F	Brown L.T. 12F	Grey L.T. 12F	White L.T. 12F
96F Cable	1	2	3	4	5	6
	Blue L.T. 12F	Orange L.T. 12F	Green L.T. 12F	Brown L.T. 12F	Grey L.T. 12F	White L.T. 12F
	7	8				
144F Cable	Red L.T. 12F	Black L.T. 12F				
	1	2	3	4	5	6
	Blue L.T. 12F	Orange L.T. 12F	Green L.T. 12F	Brown L.T. 12F	Grey L.T. 12F	White L.T. 12F
	7	8	9	10	11	12
	Red L.T. 12F	Black L.T. 12F	Yellow L.T. 12F	Violet L.T. 12F	Pink L.T. 12F	Aqua L.T. 12F

**Optical Performance:**

	wavelength	9/125 μm
Max. Attenuation dB/km	1310 /1550nm	≤ 0.35 / ≤ 0.22

Note: other performance value available upon request

**Ordering Information:**

Part No. 26422xyyy  
 Description Fiber optic outdoor cable, multitube, non-metallic with central FRP strength member, Single Mode  
 x, outer sheath 2: LSOH 3: PE  
 yyy, fiber count 004/ 006/ 008/ 012/ 024/ 036/ 048/ 072/ 096/ 144

**Packing Information:**

1. cable be wound on an iron stand-wooden composite
2. standard drum length is 2000m ±1%
3. covered by plastic buffer sheet
4. sealed by strong wooden battens
5. at least 1.1m of inner end of cable should be reserved for testing
6. the tag will be attached on both side of a drum
7. test protocol at side of the drum

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