

SELF-SUPPORTING LOOSE TUBE TYPE OPTICAL FIBER CABLE

Product Description:

Optical Fiber Core

- Optical fiber core should be complied with ITU recommendation TG.652 and EIA standards.
- Cladding diameter: 125.0 \pm 2.0 μ m
- Cladding circular error: max. 2 %
- Core concentricity error: max.1.0 μ m
- Coating Diameter: 250 \pm 15 μ m
- Operating wave-length:1310nm or 1550nm
- Max. attenuation:
 - 1310nm : 0.4 / 0.5 dB/km
 - 1550nm : 0.25 / 0.3 dB/km
- Max. dispersion:
 - 1310nm : 3.09 ps/km-nm
 - 1550nm : 18.21 ps/km-nm
- Cut-off wave-length: 1100 ~ 1330nm
- Mode field Diameter1310nm:(8.5~9.5) μ m \pm 5%
- Temperature range:
 - Operation: - 30°C ~ + 60°C
 - Storage : - 30°C ~ + 60°C
 - Installation: 0°C ~ + 60°C

Fiber Cores Assembly

- 6-Fiber Unit or 12 Fiber Unit shall be assembled to form a sub-unit, water-proof compound should be filled into the interstice of the fiber cores.
- Each sub-unit should be bounden with a coloured loose tube to form a concentrated sub-unit.

Applications

- Suitable for aerial installation, CATV system and for subscriber networks.

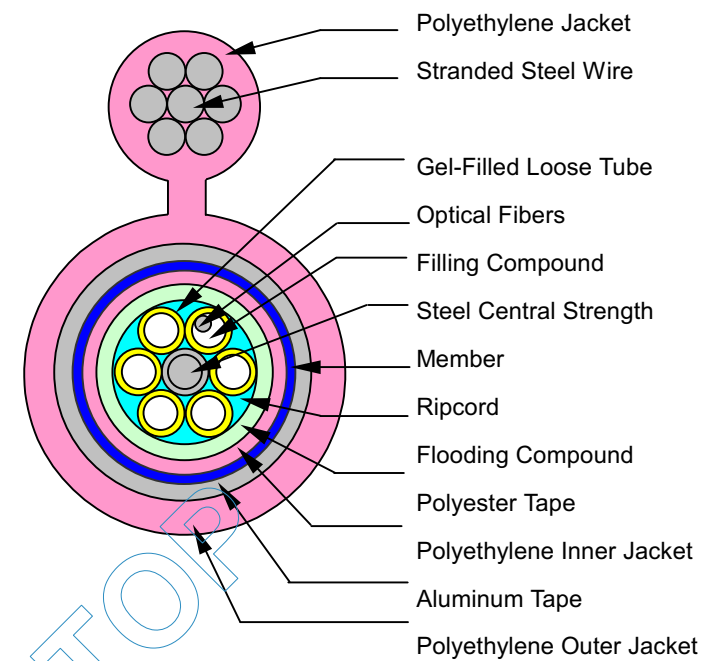
Color of Fiber Units

- Available with blue, yellow, green, red, purple, white, brown and black.

Color of Fiber Cores

- Available with blue, yellow, green, red, purple, white, brown, black, light-blue, orange, pink and gray.

Construction



Specification & Properties

Fiber Count	Outside Dia.	Unit Weight	Total No. of Loose Tube Position	Max.No.Fibers per Tube	Max Tensile Load		Min Bend Radius	
					Short Term	Long Term	Loaded	Unloaded
Cores	mm	kg/km	No. of Tube	cores	kg	kg	mm	mm
2~24	14.5	360	5	6	2670	600	300	150
36	14.8	380	6				300	150
48	16.3	410	8				330	170
12,24,36,48,60,72	17	390	6	12			340	170
84, 96	20.5	530	8				410	210