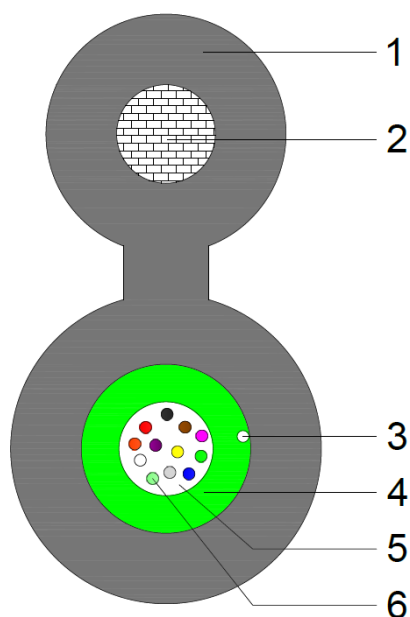


Aerial Type (UT1-FG8)

4/6/8/12 FO, Single Loose Tube, Single PE Jacket (Figure-8)

Cable Cross Section



Cable Structure

1. Outer PE Sheath
2. Steel Messenger Wire
3. Ripcord
4. Loose Tube (PBT)
5. Tube Filling Compound (thixotropic gel)
6. Optical Fibers (SM G.652D)

Number of Fibers		4	6	8	12
Number of Loose Tubes		1			
<u>Loose Tube</u>					
-Single Mode Optical Fiber		ITU-T G.652D			
-Filling Jell Material		Thixotropic Jelly			
-Tube Material & Thickness		PBT / $2,05 \pm 0,10$ mm			
<u>Suspension Wire</u>					
-Material & Diameter		Steel Wire / $2,00 \pm 0,10$ mm			
<u>Pole Span (m)</u>		60			
<u>Outer Sheath</u>					
-Material & Thickness		HDPE / $0,8 \pm 0,1$ mm			
Nom. Cable	Diameter (mm)	$3,7 \times 9,9 \pm 1,5$			
	Net Weight (kg/km)	48			
	Drum Length (m)	$2.000 \pm 5\%$			

Aerial Type (UT1-FG8)



Color Details

No.		1	2	3	4	5	6	7	8	9	10	11	12
Fiber Color	4	Blue	Orange	Green	Brown								
	6	Blue	Orange	Green	Brown	Grey	White						
	8	Blue	Orange	Green	Brown	Grey	White	Red	Black				
	12	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube Color	4	Blue											
	6	Blue											
	8	Blue											
	12	Blue											
Sheath Color		Black UV											
Marking		“0000M 2021 DRUM NO AER-UT1-12F...01X12SM2-(D)P+F8SW20 0001M “											

Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value
Optical Attenuation	-1310nm -1550nm IEC 60793-1-40	≤ 0.36 dB/km ≤ 0.22 dB/km
Tensile Strength	Short Term Long Term IEC 60794-1-2-E1	Max. 2.700 N Max. 1.600 N
Crush Resistance	IEC 60794-1-2-E3	1.000 N/10cm
Min. Bending Radius	-Static -Dynamic IEC 60794-1-2-E11	10xD 20XD
Temperature Range (°C)	-Installation -Transport & Storage -Operation IEC 60794-1-2-F1	-20°C to + 60°C -40°C to + 70°C -40°C to + 70°C

D : Cable outer diameter

Packing :

- Non-returnable wooden drum
- Strong wooden batten protection
- Cable ends are accessible for a test

