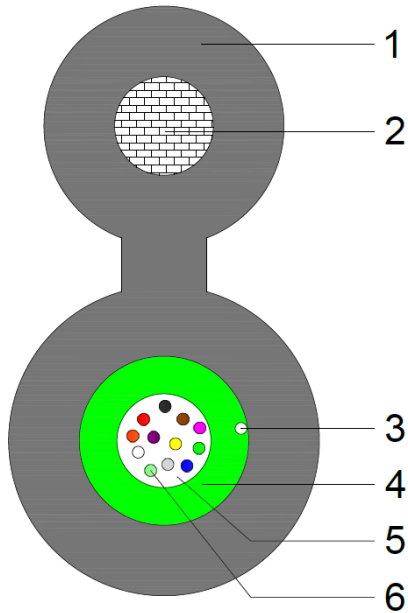


SS Aerial Type (UT1-FG8)

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± 0,10 mm			
<u>Suspension Wire</u>				
-Material & Diameter	Steel Wire / 1,60 ± 0,10mm			
<u>Pole Span (m)</u>	60			
<u>Outer Sheath</u>				
-Material & Thickness	HDPE / 0,8 ± 0,1 mm			
	Diameter (mm)	3,7 x 9,5 ± 1,5		

SS Aerial Type (UT1-FG8)

Nom. Cable	Net Weight (kg/km)	38
	Drum Length (m)	2.000 ±5%

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
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+F8SW16 0001M"											

Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value
Optical Attenuation		
	-1310nm	≤ 0.36 dB/km
	-1550nm	≤ 0.22 dB/km
Tensile Strength		
	Short Term	Max. 1.700 N
	Long Term	Max. 1.000 N
Crush Resistance	IEC 60794-1-2-E3	1.000 N/10cm
Min. Bending Radius		
	-Static	10xD
	-Dynamic	20XD
Temperature Range (°C)		
	-Installation	-20°C to + 60°C
	-Transport & Storage	-40°C to + 70°C
	-Operation	-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



SS Aerial Type (UT1-FG8)

