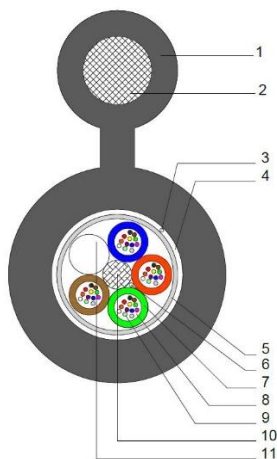


SS Aerial Type (MT1-FG8)



48 FO, Multi Loose Tube, Dry Core, Peripheral Strength Member, Single PE Jacket Figure-8)

Cable Cross Section



Cable Structure

1. Steel Wire
2. Outer PE Sheath
3. Ripcord
4. Peripheral Strength Member (glass yarn)
5. Water Blocking Tape
6. Water Blocking Yarn
7. Loose Tube (PBT)
8. Tube Filling Compound (thixotropic gel)
9. Optical Fibers (SM G.652D)
10. Central Strength Member (FRP)
11. PE Filler

Number of Fibers		48
Number of Loose Tubes		04X12
<u>Loose Tube</u>		
-Single Mode Optical Fiber		ITU-T G.652D
-Filling Jell Material		Thixotropic Jelly
-Tube Material & Thickness		PBT / $2,05 \pm 0,10\text{mm}$
<u>Central Strength Member</u>		
-Material		Non-metallic FRP $1,6 \pm 0,1\text{mm}$
<u>Core Wrapping</u>		
-Material		Water Blocking Tape
<u>Peripheral Strength Member</u>		
-Material		E-Glass yarn
<u>Suspension Wire</u>		
-Material & Diameter		Steel Wire / $2,00 \pm 0,10\text{mm}$
<u>Pole Span (m)</u>		60
<u>Outer Sheath</u>		
-Material & Thickness		HDPE / $1,4 \pm 1,0\text{ mm}$
Nom. Cable	Diameter (mm)	$9,4 \times 16,6 \pm 1,5\text{ mm}$
	Net Weight (kg/km)	$110 \pm \%10$
	Drum Length (m)	$2.000 \pm 5\%$

SS Aerial Type (MT1-FG8)



Color Details

No.		1	2	3	4	5	6	7	8	9	10	11	12
Fiber Color	48	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube Color	48	Blue	Orange	Green	Brown								
Sheath Color		Black UV											
Marking		"0000M 2022 DRUM NO AER-MT1-48F...04X12SM2-N(D)G20P+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. 2.700N (With Steel Rope) Max. 1.600N (With Steel Rope)
Crush Resistance		IEC 60794-1-2-E3	1.500N/10cm
Min. Bending Radius	-Static -Dynamic	IEC 60794-1-2-E11	20xD 15XD
Impact Resistance		IEC 60794-1-2-E4	4,4Nm
Torsion		IEC 60794-1-2-E7	$\pm 180^\circ$
Temperature Range (°C)	-Installation -Operation	IEC 60794-1-2-F1	-10°C to + 60°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

Order Code : AER-MT1-04X12SM2-N(D) G20P+F8SW20 (5E)

