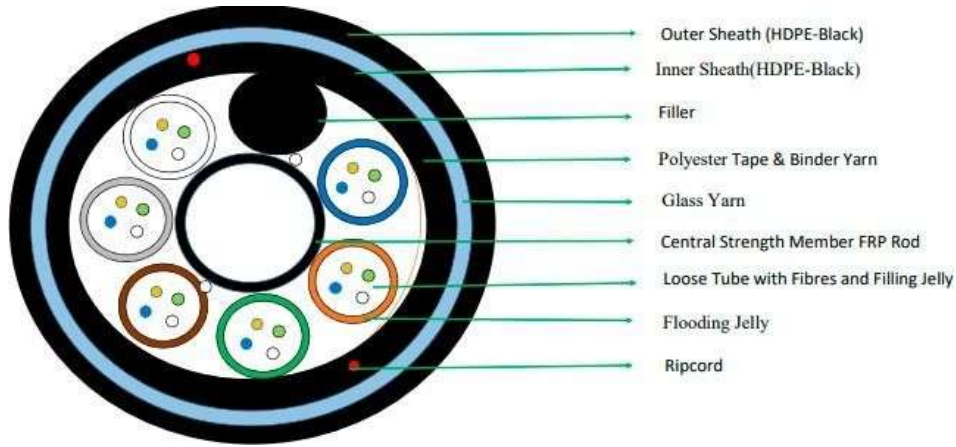


## 24F, Multi LT, Double Sheath Metal Free F.O. Cable



Cable Construction Details	
Type of Fiber	Single Mode, ITU-T G.652 D
Central Strength Member	Fibre Reinforced Plastics (FRP Rod), 3.0 ± 0.1 mm
Fiber Count	24 Fiber
No. of Fibers per Tube	4 Fibers
No. of Loose Tubes	6 Nos, PBTP LT with & Thrixotropic Filling Jelly and 1 Nos of Filler
Loose Tube Material	PBT
Loose Tube Diameter OD	2.3 ± 0.1 mm
Core Water Blocking	Flooding Jelly, Polyester Tape
Peripheral Strength Member	Glass Yarn
Inner Sheath Material & Thickness	HDPE - Black (1 mm min.)
Outer Sheath Material & Thickness	HDPE - Black (2 mm min.)
Rip Cords	One ripcord below inner & Two Nos. Below Outer Sheath
Cable Overall Diameter (mm)	13.4 ± 0.5 mm
Weight (Kg/ KM)	185 ± 10%
Optical Cable Characteristics & Fiber Geometry: G652.D Fiber	
Attenuation (dB/km) @ 1310 nm	≤ 0.36
Attenuation (dB/km) @ 1550 nm	≤ 0.23
MFD @ 1310 nm (µm)	9.2 ± 0.4
Fiber Cladding Diameter (µm)	125 ± 1.0
Fiber Primary Coating Diameter (µm)	245 ± 10.0
Cable Mechanical Characteristics	
Properties	Specified Values
Max. Tensile Strength	9.81 x 2.5 W Newtons or 2670 N
Max. Crush Test	2000 Newton /100x100 mm
Cable Bend Test	20 x D, D = Cable Diameter
Temperature Range	-20° to +70°C
<i>Test Shall be carried out as per IEC standards. Change in attenuations shall be ≤ 0.05 dB/ km.</i>	



Colour Code										
Fiber / Tube					Loose Tube					
24F										
1	2	3	4		1	2	3	4	5	
Blue	Natural	Green	Brown		Blue	Orange	Green	Brown	Slate	
					6					
					White					

Packing Detail	
Packing Type	Wooden Drum
Length & Tolerance	2 KM ± 10%
Printing Detail	
Printing Details	As per Customer

## Ordering Information

Part Code	Item Description
AX-AG-24FSMMTDSAFC	24F, Single Mode Multi Loose Tube, Double Sheath Metal Free F.O. Cable