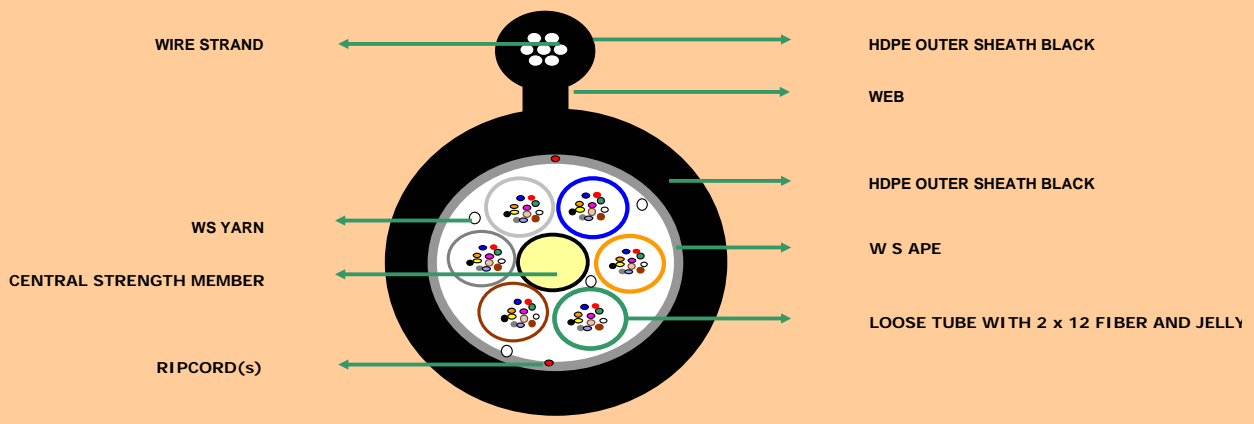


144 Fibre (SM-G652D) Dry Core MLT Fig8 Aerial Optical Fibre Cable

PRODUCT INFORMATION

ELEMENTS	NOS.	MATERIAL	NOMINAL VALUE	
Loose Tube Single Mode Optical Fibre	144 Nos.	ITU-T G652D	1310nm : 0.36 & 1550nm : 0.23	
Filling Jelly Tube	6 Nos.	Thixotropic jelly PBTP	4.0 ± 0.2 mm Nominal Diameter	
Core Central Strength Member	1 No.	FRP	2.5 ± 0.2 mm Nominal Diameter	
FRP Upcoat		PE	3.8 ± 0.2 mm Nominal Diameter	
Water blocking elements		W S YARN		
Core Wrap		W S TAPE		
Cable Rip Cord		Twisted yarns	2 Nos	Under Sheath
Sheathing		High Density Polyethylene	Min 1.5 mm	Radial Thickness
Suspension Strand Strand Wire	7 Nos.	Steel Wire	0.9	Diameter
Web Dimension		High Density Polyethylene	2.0 x 2.0 ± 1.0	Dimension
Suspension		High Density Polyethylene	Min 1.2 mm	Nominal Thickness

CONSTRUCTIONAL DETAILS



OPTICAL FIBRE CABLE PERFORMANCE

	MECHANICAL		ENVIRONMENTAL	
Max. Tensile strength	5.5 kN	Crush Resistance	4000 N / 10cm	Temp. Performance
Minimum Bend Radius		Impact strength	50Nm.	-30°C to +70°C
-Short Term	10 x D	Torsion	±180°	Installation
-Long Term	20 x D			-30°C to +70°C
				Service
				-30°C to +70°C
				Storage
				-30°C to +70°C

COLOR DETAILS

Optical Fibre Colour	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural
Loose Tube Colour	Blue, Orange, Green, Brown, Slate, White
Sheath Colour :	Black

PHYSICAL PARAMETERS

Diameter (mm, Nominal) +/- 1.0 mm	15.0 X 22.0	Cable wt. (Kg/km) Nominal ± 20.0	220	Cable length (Km) Order Tolerance:	2/3 ± 10% ± 5 %
Printing details	QUALITY CABLE & ELECTRONICS, INC. SM 144F DC MLT FIG-8, LAZERLINE TM , MONTH & YEAR OF MANUFACTURE, LENGTH MARKING, CABLE IDENTIFICATION.				