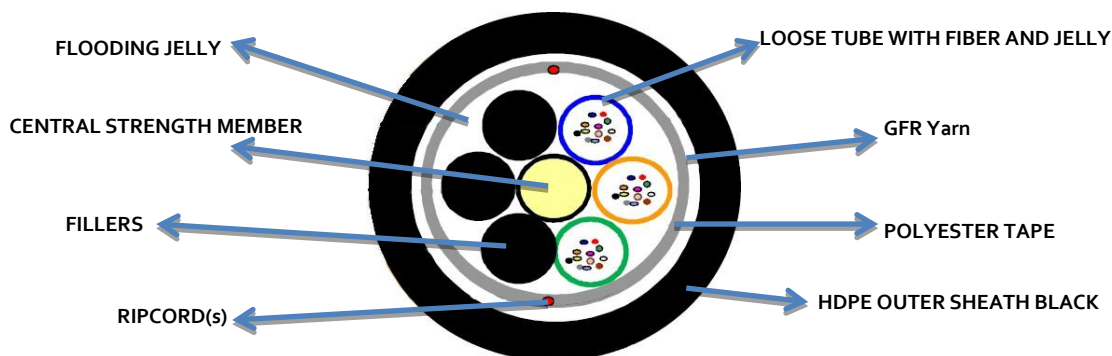


PRODUCT INFORMATION			
ELEMENTS	NOS.	MATERIAL	NOMINAL VALUE
Loose Tube			
Single Mode Optical Fibre		ITU-T G652D	1310nm : <0.36 & 1550nm : < 0.23
Filling Jelly		Thixotropic jelly	
Core			
Central Strength Member		FRP	
Filler/ Dummy		Polyethylene	Black / Natural
Water blocking elements		Flooding Jelly	
Core Wrap		Polyester Tape	
Cable			
Rip Cord		Twisted yarns	2 Nos Under Sheath
Peripheral Strength member		GFR Yarn	
Outer Sheath		High Density Polyethylene	

CONSTRUCTIONAL DETAILS



Typical Construction Diagram : Not to the scale

OPTICAL FIBRE CABLE PERFORMANCE					
MECHANICAL			ENVIRONMENTAL		
Max. Tensile strength	2.0 kN	Crush Resistance	2000 N / 10cm	Temp. Performance	
Minimum Bend Radius		Impact strength	50Nm.	Installation	-30°C to +70°C
-Short Term	10 x D	Torsion	±360°	Service	-30°C to +70°C
-Long Term	20 x D			Storage	-30°C to +70°C

COLOR DETAILS	
Optical Fibre Colour	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural as applicable & each have a nat fiber
Loose Tube Colour	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural as applicable
Sheath Colour :	Black

CABLE CONSTRUCTION DETAILS								
Fiber Count	No of tube	N o of Fibre per tube	No of Fillers	CSM	Loose Tube Dia	Sheath Thickness (Nom)	Overall Dia	cable Weight
4	2	2	4	2.0±0.2 mm	1.9 ±0.2mm	1.5mm	9.5 ± 0.5mm	70±10 Kg
8	2	4	4	2.0±0.2 mm	1.9 ±0.2mm	1.5mm	9.5 ± 0.5mm	70±10 Kg
12	3	4	3	2.0±0.2 mm	1.9 ±0.2mm	1.5mm	9.5 ± 0.5mm	70±10 Kg
16	4	4	2	2.0±0.2 mm	1.9 ±0.2mm	1.5mm	9.5 ± 0.5mm	70±10 Kg
24	6	4	-	2.0±0.2 mm	1.9 ±0.2mm	1.5mm	9.5 ± 0.5mm	70±10 Kg
36	6	6	-	2.0±0.2 mm	1.9 ±0.2mm	1.5mm	9.5 ± 0.5mm	70±10 Kg
48	6	8	-	2.1±0.2 mm	2.0±0.2mm	1.5mm	10.0 ± 1.0mm	85 ±10 Kg
64	8	8	-	2.1 mm upcoat 3.4mm	2.0±0.2mm	1.5mm	11.0 ± 1.0mm	105±10 Kg
72	6	12	-	2.3 mm	2.1±.02mm	1.5mm	10.5 ± 1.0mm	85 ±10 Kg
96	8	12	-	2.3 mm upcoat 3.4mm	2.1±.02mm	1.5mm	11.5± 1.0mm	115 ± 10 Kg
144	12	12	-	2.5 mm upcoat 6.1mm	2.1±.02mm	1.8mm	14.0± 1.0mm	175± 10 Kg

PHYSICAL PARAMETERS			
Cable length (km)	2/3 /4 ± 10%	Order Tolerance:	±5 %
PRINTING DETAILS			
Printing details	NAME OF THE SUPPLIER SM XXF MLT UA LASER SYMBOL TELEPHONE SYMBOL MONTH & YEAR OF MANUFACTURE , LENGTH MARKING , CABLE IDENTIFICATION.		