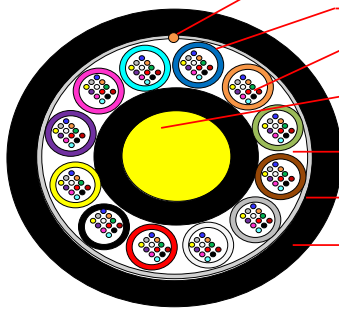


144F G 652 D Multitube Single Sheath Armoured OF Cable

Fiber Allocation Scheme		
Tube Colour	Fiber Type	No of Fiber
Blue	SM G 652 D	12
Orange	SM G 652 D	12
Green	SM G 652 D	12
Brown	SM G 652 D	12
Slate	SM G 652 D	12
White	SM G 652 D	12
Red	SM G 652 D	12
Black	SM G 652 D	12
Yellow	SM G 652 D	12
Violet	SM G 652 D	12
Pink	SM G 652 D	12
Aqua	SM G 652 D	12



- 2-RIP CORD BELOW ARMOUR
- PBT LOOSE TUBE
- G 652 D OPTICAL FIBER 12 FIBER/TUBE
- Upsheathed FRP AS CSM
- CABLE FLOODING COMPOUND (Jelly)
- POLYESTER WRAPPING
- HDPE BLACK SHEATH

Construction Details	
No of Fibre/Tube	: 12F per Tube -Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink & Aqua.
Loose Tube	: PBT Loose Tube Filled With Thixotropic Jelly (2.1± 0.2 mm).
No of Loose Tube	: Twelve Loose Tubes
No of Fillers	: NA
Tube & Filler Identification	: Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink & Aqua
Central Strength Member	: Fiber Reinforced Plastic - FRP (Non Metallic) 3.5 mm ± 0.1 mm With Upsheath 5.5 ± 0.1mm
Core Wrapping	: Core Wrapped With Polyester Tape & Binder Yarn
Peripheral Strength Member	: IGFR (Non-water Blocking Type) Applied in the periphery over the Core.
Armouring	: Corrugated Steel Tape Armouring Below The Outer Sheath (Thickness 0.155 ± 0.005)
Rip Cord	: Two Rip Cords provided below the Armouring
Outer Jacket	: Outer Jacket HDPE UV Black Colour - 1.6 mm (Nominal)

Fibre Characteristics (As per ITU-T Rec. G. 652 D)			
Attenuation (Transmission Characteristics)		Geometrical Characteristics	
@ 1310 nm	: ≤ 0.335 (dB/Km) - Before cabling : ≤ 0.34 (dB/Km) - After cabling	Mode Field Diameter @ 1310 nm	: 9.2 ± 0.4 μm
@ 1550 nm	: ≤ 0.19 (dB/Km) - Before cabling : ≤ 0.20 (dB/Km) - After cabling	Mode Field Diameter @ 1550 nm	: 10.4 ± 0.5 μm
@ 1625 nm	: ≤ 0.215 (dB/Km) - Before cabling : ≤ 0.220 (dB/Km) - After cabling	Cladding Diameter	: 125 ± 0.7 μm
Dispersion		Cladding Non Circularity	: ≤ 1%
A. Total Dispersion (Chromatic Dispersion)		Core Clad Concentricity Error	: ≤ 0.5 μm
1285-1330 nm	: ≤ 3.5 ps/nm.km	Coating Diameter	: 245 ± 10 μm
1270-1340 nm	: ≤ 5.3 ps/nm.km	Coating/Cladding Concentricity	: ≤ 12 μm
1550 nm	: ≤ 18.0 ps/nm.km	Cut Off Wavelength	
1625 nm	: ≤ 22.0 ps/nm.km	Fibre cut-off Wavelength	: ≤ 1320 nm
B. Polarization Mode Dispersion at 1310 & 1550 nm		Cable Cut-off Wavelength	: ≤ 1260 nm
At Fibre Stage	: ≤ 0.2 ps/sqrt.km	Mechanical & Operating Characteristics	
At Cable Stage	: ≤ 0.6 ps/sqrt.km	Operating Temperature	: -20° C to +60° C
C. Dispersion Slope & Wave Length		Fibre Proof Test	: 1%
Zero Dispersion Wavelength	: 1300-1324 nm	Stripability Force	: 1.3 ≤ F ≤ 8.9 N
Zero Dispersion Slope	: ≤ 0.092 ps/nm ² .km	Fibre Curl	: 4 meter radius of curvature

Cable Mechanical & Physical Characteristics			
Cable Mechanical Characteristics		Cable Physical Characteristics	
Max. Tensile Strength	: 9.81 x 2.5 x W (Newton)@0.25%	Cable Diameter (Nominal)	: 14.5 ± 0.5 mm
Crush Resistance	: 3000 N/10 CM	Nominal Cable Weight	: 200 ± 20 Kg/Km
Impact Resistance	: 50 N for 0.5m	Packing Length	: 2 Km ± 10% : 4 Km ± 5% & SLG > 500 Meter
Torsion	: ±180°	Water Penetration	: 3mts Sample for 24Hrs
Min. Bending Radius	: 20D (D= Cable Diameter mm)	Printing Details	: As Per Customer Requirement
-Long Term	: 10D (D= Cable Diameter mm)		
-Short Term			