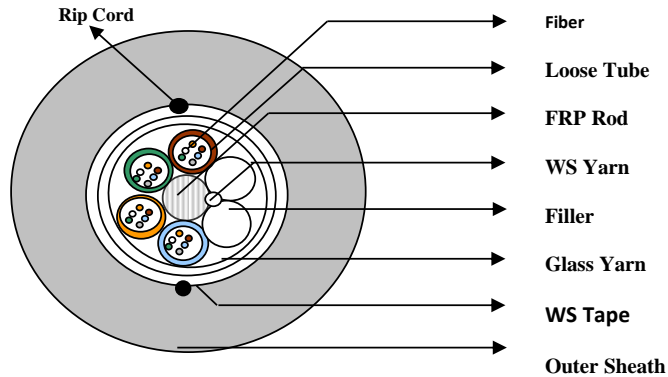




## 24F SM Multitube Unarmored OFC



Cable Construction Details										
Parameter	Dimensions	Type, Color								
Number of Fiber per tube	6	Color	Re	Gr	Bl	Ye	Wh	Sl		
Number of Loose Tubes	4	Color	Re	Gr	Bl	Ye				
Loose Tube ID/OD	1.4/2.2 ± 0.1 mm	PBT								
Number of Fillers	2	HDPE (Black/Natural)								
Central Strength Member	2.3 (Nominal)	FRP Rod								
Peripheral Strength Member	---	Glass Yarn								
Moisture Barrier	---	Water Swellable Yarn & Water Swellable Tape								
Outer Sheath	1.5 mm (Nominal)	HDPE - Black								
Number of Ripcords	2	Polyester								
Overall Cable Diameter	10.8 ± 0.5 mm									
Cable Weight	90.0 ± 10 kg/km									

Optical Fibre Characteristics		
Fibre Type	G.652D (OS2)	
Attenuation	at 1310 nm	0.35 dB/km
	at 1550 nm	0.22 dB/km
Chromatic Dispersion	1285 - 1330 nm	≤ 3.5 ps/nm.km
	1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength	1300 - 1324 nm	
Zero Dispersion Slope	≤ 0.090 ps/nm <sup>2</sup> .km	
Polarisation Mode Dispersion	≤ 0.1 ps/ <sup>√</sup> km	
Cut-off Wavelength	1100 - 1320 nm	
Mode Field Diameter	at 1310 nm	9.2 ± 0.4 μm
Core Cladding Concentricity Error	≤ 0.5 μm	
Cladding Diameter	125 ± 0.7 μm	
Cladding Non-circularity	≤ 0.7 %	
Coating Diameter	245 ± 10 μm	

Cable Mechanical Characteristics	
Tensile Strength	2100 N
Crush Resistance	1000 N
Impact Strength	10 N.m
Torsion	± 360 <sup>0</sup>
Minimum Bend Radius	Short Term - 15 x D
	Long Term - 20 x D

Packing	Wooden Drums
Drum Length	4 km ± 5 %

Temperature Performance	
Installation	- 10 °C to + 50 °C
Operation	-40 °C to + 70 °C
Storage	-40 °C to + 70 °C

Printing & Marking	A-DQ(ZN)2Y 24E 9/125 4X6E 9/125 2100N BKT MM/YYYY, Meter marking, Length Code
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