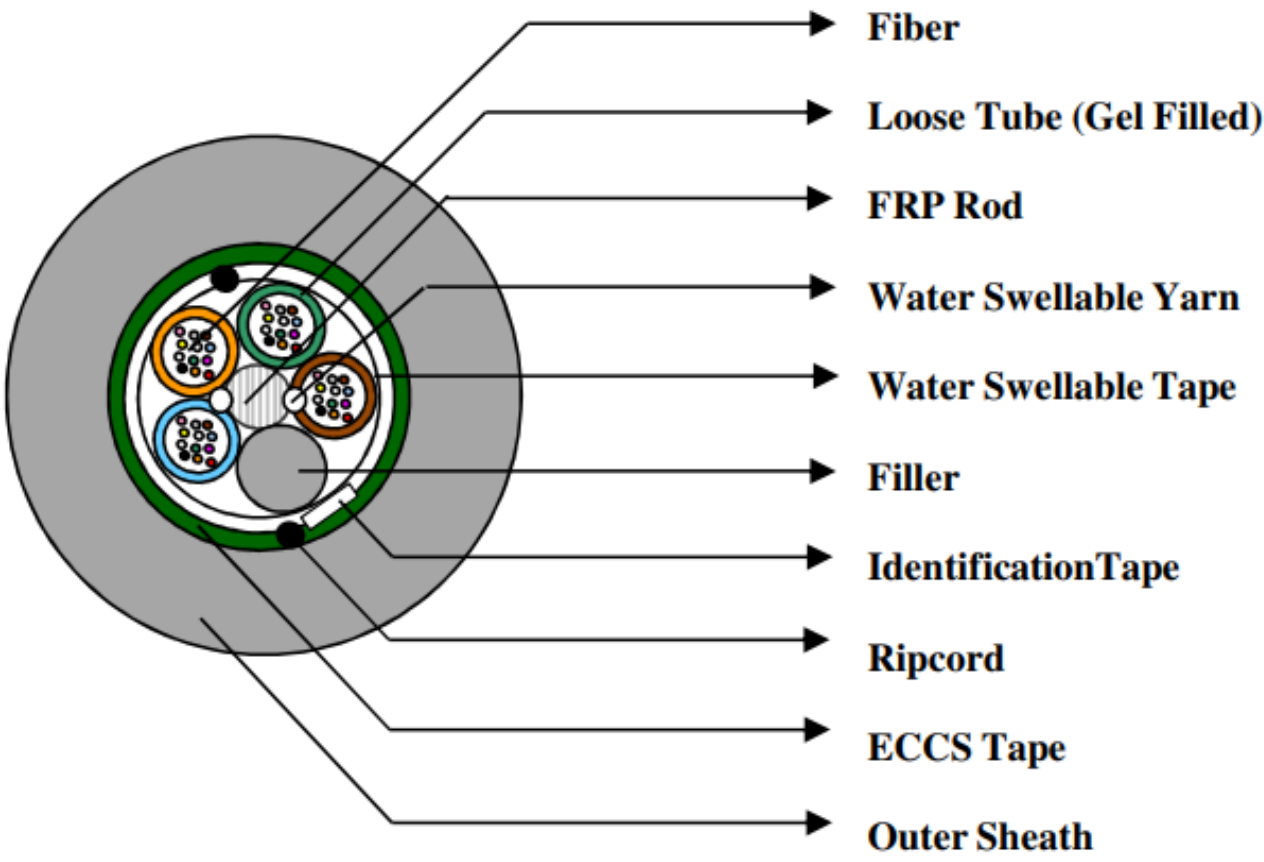


PART CODE:- QCTN-FCSM24-A

24F SM MULTITUBE ARMORED OFC

Cable Construction Details		
Parameter	Dimensions	Type, Color
Number of Fiber per tube	4	Color 
Number of Loose Tubes	6	Color 
Loose Tube ID/OD	1.8 ± 0.1 mm	PBT
Central Strength Member	1.9 ± 0.1 mm	FRP Rod
Number of Fillers	1	HDPE- Black
Moisture Barrier	---	Water Swellable Yarn
Core Wrapping	---	Water Swellable Tape
Core Identification	---	PP Tape
Armoring	0.150 mm	ECCS Tape
Outer Sheath	1.5 mm (Nominal)	HDPE- Black
Number of Ripcords	2	Polyestwer
Overall Cable Diameter	10.2 ± 5 % mm (Nominal)	
Cable Weight	100 ± 10%kg/km	

Optical Fibre Characteristics		
Fibre Type	G.652D	
Attenuation* (Cable)	at 1310 nm	≤ 0.36 dB/km
	at 1550 nm	≤ 0.23 dB/km
Chromatic Dispersion	1285 - 1330 nm	≤ 3.5 ps/nm.km
	at 1550 nm	≤ 18 ps/nm.km
Zero Dispersion Wavelength		1302 - 1324 nm
Zero Dispersion Wavelength		≤ 0.092 nm2.km
Polarisation Mode Dispersion		≤ 0.3 ps/√km
Cut-off Wavelength λcc		≤ 1260 nm
Mode Field Diameter	at 1310 nm	9.2 ± 0.4 μm
Core Cladding Concentricity Error		≤ 0.6 μm
Cladding Diameter		125.0 ± 0.7 μm
Cladding Non-circularity		≤ 1 %
Coating Diameter (Uncolored)		245 ± 15 μm



Cable Mechanical Characteristics	
Tensile Strength	1800 N
Crush Resistance	2000 N/100 mm
Torsion	± 180 °
Kink Resistance	10xD
Impact Strength	15N
Minimum Bend Radius	Long Term- 20x D Short Term- 20x D

Temperature Performance	
Installation	-20 °C to + 70 °C
Operation	-20 °C to + 70 °C
Storage	-20 °C to + 70 °C