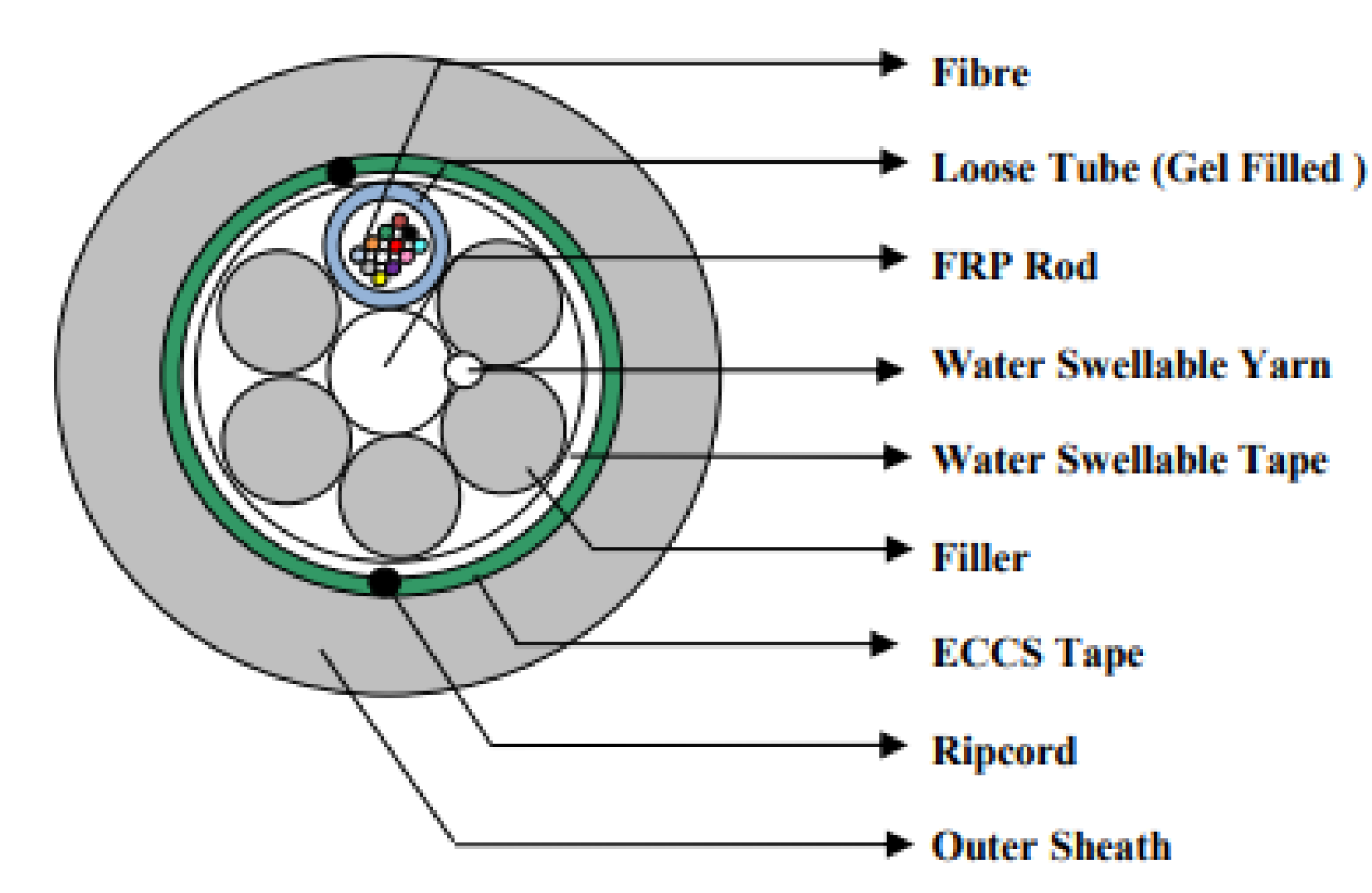


PART CODE:- QCTN-FCMM12-A
12F MM MULTITUBE ARMORED OFC

Cable Construction Details		
Parameter	Dimensions	Type, Color
Number of Fiber per tube	12	Color 
Number of Loose Tubes	1	Color 
Loose Tube OD	1.9 ± 0.1 mm	PBT Get Filled
Central Strength Member	2.0 ± 0.1 mm	FRP Rod
Number of Fillers	5	HDPE - Black
Moisture Barrier	---	Water Swellable Yarn
Core Wrapping	---	Water Swellable Tape
Armouring	---	ECCS Tape
Outer Sheath	1.5 mm(Nominal)	HDPE - Black UV Stabilised
Rip cords	2	Polyester
Overall Cable Diameter	10.5 ± 0.5 mm	
Nominal Cable Weight	105 ± 10 kg/km	

Optical Fibre Characteristics		
Fibre Type		62.5um (OM1)
Attenuation	at 850 nm	≤ 3.5 dB/km
	at 1300 nm	≤ 1.5 dB/km
Bandwidth	850nm	≤ 200 MHz.km
	1300nm	≤ 500 MHz.km
Core Diameter		62.5 ± 2.5 μm
Core Cladding Concentricity Error		≤ 1.5 μm
Cladding Diameter		125 ± 1 μm
Cladding Non-circularity		≤ 1%
Coating Diameter (Uncoloured)		242 ± 5 μm



Cable Mechanical Characteristics	
Tensile Strength	Short Term : 2000 N
Crush Resistance	2000 N/100 x100 mm
Torsion	± 180 ⁰
Impact Strength	15 N.m
Minimum Bending Radius	20 x D

Temperature Performance	
Installation	- 20 ⁰ C to + 70 ⁰ C
Operation	- 20 ⁰ C to + 70 ⁰ C
Storage	- 20 ⁰ C to + 70 ⁰ C