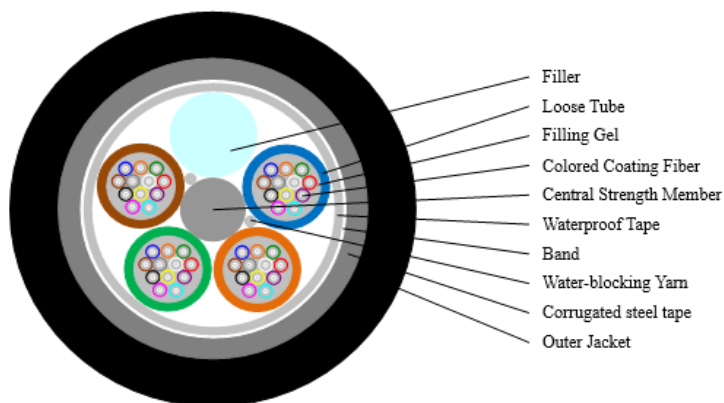




Outdoor Fiber Cables

48 Core Loose Tube Singlemode Armoured Cable

Overview



Forteq Cabling Solution 48 core Fiber Loose tube Outdoor Singlemode Steel Armoured

Forteq 48C Singlemode Loose Tube Glass Yarn, Outdoor Steel Armoured Tape with jelly PE, Black, PN: OFA048PESM-N

Forteq 48C Singlemode Loose Tube Glass Yarn, Outdoor Steel Armoured Tape with jelly LSZH, Black, PN: OFA048LSSM-N

Fiber Parameters

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	9.0±0.4
		1550nm	μm	10.1±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤0.4
		1550nm	dB/km	≤0.3
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
		1turn×10mm radius @1625nm	dB	≤1.5



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Cable Parameters

Items		Specifications
Fiber Count		48
Coloured Coating Fiber	Dimension	250μm±15μm
	Colour	Blue、Orange、Green、Brown、Grey、White、Red、Black、Yellow、Purple、Pink、Aqua
Loose Tube	Dimension	2.0mm±0.05mm
	Material	PBT
	Colour	Blue, Orange, Green, Brown, Grey, White, Red, Black
Filler	Dimension	2.0mm±0.05mm
	Material	PP
	Colour	Natural
Central Strength Member	Dimension	1.5mm
	Material	Steel
Outer Jacket	Dimension	10.5mm±0.3mm (PE) / 10.8mm±0.3mm (LSZH)
	Material	PE / LSZH
	Colour	Black

Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	600
Tension (Short Term)	N	1500
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20 ~ +60
Operating Temperature	°C	-40 ~ +70
Storage Temperature	°C	-40 ~ +70