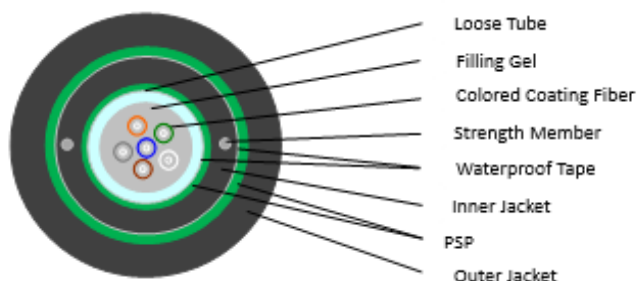




Outdoor Fiber Cables

2-12 Core Outdoor Singlemode Loose Tube PE DOUBLE Armoured Cable

Overview



Forteq 2-12 Core Glass Yarn Outdoor Loose Tube, Singlemode G.657A1 PE, DOUBLE Armoured, Yellow, PN: OFAA0XXPESM-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	$\lambda_{c0} \leq 1260$
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		2-12
Colored Coating Fiber	Dimension	250μm±15μm
	Color	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Purple, Pink, Aqua
Loose Tube	Dimension	2.2mm±0.05mm
	Material	PBT
	Color	Natural
Strength Member	Diameter	1.0mm
	Material	Steel
Inner Jacket	Dimension	7.7mm±0.3mm
	Material	PE
	Color	Black
Outer Jacket	Dimension	13.2mm±0.5mm
	Material	PE
	Color	Black

Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	600
Tension (Short Term)	N	1500
Crush (Long Term)	N/10cm	1000
Crush (Short Term)	N/10cm	3000
Min. Bend Radius (Dynamic)	mm	25D
Min. Bend Radius (Static)	mm	12.5D
Installation Temperature	℃	-20~ +60
Operating Temperature	℃	-40~ +70
Storage Temperature	℃	-40~ +70