

Fiber Optic Cables - D Series - Unitube Steel Armored with Steel Wire Strength Member

Reference Standard- IEC 60794



Physical Parameters

Cable length (km)	2 ± 10 %
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Color Details

Optical Fiber Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Natural as applicable & each have a natural fibre
Loose Tube Color	Natural
Sheath Color	Black

Product Information

Elements	Nos.	Material	Values
Loose Tube			
Optical Fiber	1	SM ITU-T G.652 D	1310 nm : ≤ 0.38 dB/Km & 1550 nm : ≤ 0.25 dB/Km
Filling Jelly		Thixotropic Jelly	
Loose Tube		PBTP	
Core			
Peripheral Strength Member	2	Steel Wire	Nominal Diameter - 0.6 mm
Cable			
Armoring Tape	1	Corrugated ECCS Tape	
Sheathing		High Density Polyethylene	

Optical Fiber Cable Performance

Mechanical		
Max. Tensile Strength		1000 N
Minimum Bend Radius	Short Term	10 x D
	Long Term	20 x D
Crush Resistance		1500 N / 10cm
Impact Strength		10 Nm.
Torsion		± 180°

Environmental		
Temp. Performance	Installation	-30°C to +70°C
	Service	-30°C to +70°C
	Storage	-30°C to +70°C



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Cable Construction Details

Fiber Count	No. of Fiber Bundle	No. of Fiber per tube	Overall Cable Diameter _p	Cable Weight (Kg/Km)
4	---	4	6.5 ± 0.5 mm	50 ± 10 Kg
6	---	6	6.5 ± 0.5 mm	50 ± 10 Kg
8	---	8	6.5 ± 0.5 mm	50 ± 10 Kg
12	---	12	6.5 ± 0.5 mm	50 ± 10 Kg

Ordering Information

No. of Cores	OS2	OM3	OM4
2	ES2DLPUA-FC002	EM3DLPUA-FC002	EM4DLPUA-FC002
4	ES2DLPUA-FC004	EM3DLPUA-FC004	EM4DLPUA-FC004
6	ES2DLPUA-FC006	EM3DLPUA-FC006	EM4DLPUA-FC006
8	ES2DLPUA-FC008	EM3DLPUA-FC008	EM4DLPUA-FC008
12	ES2DLPUA-FC012	EM3DLPUA-FC012	EM4DLPUA-FC012
24	ES2DLPUA-FC024	EM3DLPUA-FC024	EM4DLPUA-FC024

