

Fiber Optic Cables - CL Series - ID OD LSZH Sheath with Glass Yarn Strength Member

Reference Standard- IEC 60794



Design

- Unitube Loose tube (PBT Dia 2,5mm) with thixotropic filling compound
- Polyester ripcord
- Fiber glass yarn strain relief and FRP Rod strength member
- LSZH outer sheath - 1.7mm nominal thickness

• Default color - Black Sheath. Image only for representation purposes

Fiber Geometric Characteristics

Characteristics	OS2		OM3		OM4	
Core Diameter	8.2 μm				50 + 2.5 μm	
Cladding Diameter	125 + 0.7 μm				125 + 1.0 μm	
Core-Clad Concentricity	≤ 0.5 μm				≤ 1.5 μm	
Cladding Non Circularity	≤ 0.7 %				≤ 1.0 %	
Core Non Circularity	-				≤ 5.0 %	
Coating Diameter			242 + 5 μm			
Coating Cladding Concentricity			< 12 μm			

Fiber Transmission Characteristics

Characteristics	OS2		OM3		OM4	
Operating Wavelength (nm)	1310	1550	850	1300	850	1300
Minimum OFL Bandwidth (MHz.km)	-	-	1500	500	3500	500
Minimum Laser Bandwidth (MHz.km)	-	-	2000	-	4700	-
Max Attenuation (dB/km)	≤ 0.35	≤ 0.22	≤ 3.0	≤ 1.0	≤ 3.0	≤ 1.0



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Environment Characteristics

Temperature Performance

Installation	-40 to +70 ° C
Operation	-40 to +70 ° C
Transport and Storage	-40 to +70 ° C

Optical Fiber Cable Performance

Mechanical

Max. Tensile Strength	1500 N	
Minimum Bend Radius	Short Term	12 x D
	Long Term	20 x D
Crush Resistance	1500 N /10cm	
Impact Strength	10 Nm.	
Torsion	± 180°	

Ordering Information

No.of Cores	OS2	OM3	OM4
2	ES2CLLUU-FC002	EM3CLLUU-FC002	EM4CLLUU-FC002
4	ES2CLLUU-FC004	EM3CLLUU-FC004	EM4CLLUU-FC004
6	ES2CLLUU-FC006	EM3CLLUU-FC006	EM4CLLUU-FC006
8	ES2CLLUU-FC008	EM3CLLUU-FC008	EM4CLLUU-FC008
12	ES2CLLUU-FC012	EM3CLLUU-FC012	EM4CLLUU-FC012
24	ES2CLLUU-FC024	EM3CLLUU-FC024	EM4CLLUU-FC024

