

LP-OC32130017ZF All dielectric Drop Fiber Optical Cable with Colored Coating Fibers, LSZH Jacket, Two Strength members FRP, Bow Type, FTTH (Fiber to the home) and one (1) singlemode ITU-T G.657.A1/B1 fiber core.

LPOC32130017ZF_SS_ENB01W

Features

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight, high tensile strength and Novel groove design, easily strip and splice for simplified installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath, environmental-friendly, and with excellent safety characteristics for Indoor use.



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The LP-OC32130017ZF is a Fiber Optic Cable designed for FTTH (Fiber-to-the-home) indoor environment applications based on the ITU-T G.657.A1/B1 standard.

The optical fiber are placed in the center. Two FRP strength members are placed on the two sides. The cable sheath is LSZH classified.

A Technical specifications

Fiber Type	LanPro	Corning® Optical Fiber	Description
Ultra-Bendable SM A1/B1	ZF	ClearCurve® XB	Full spectrum with best macrobending performance, ITU-T G.657.A1/B1

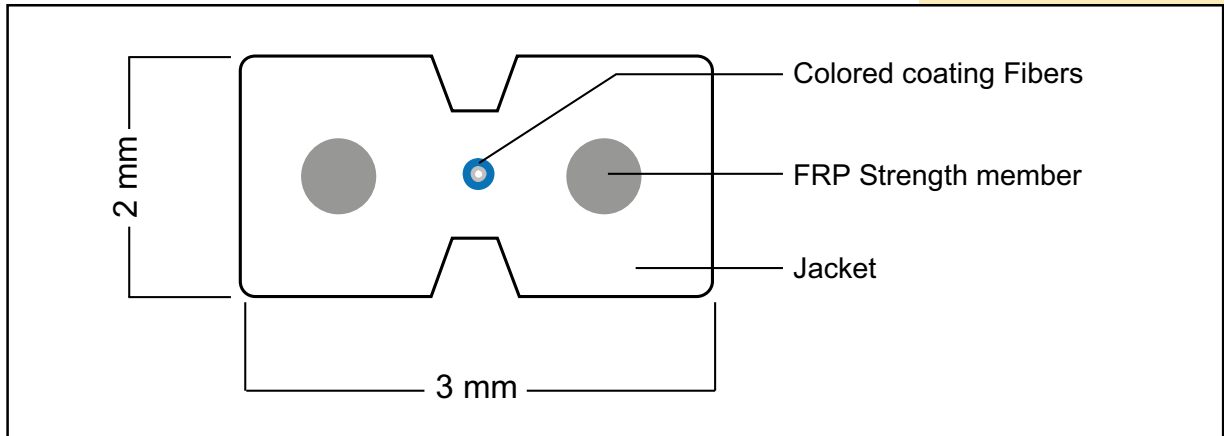
B Optical Characteristics

MFD	9.1 ± 0.4um @1310nm (G.657A1)
Cladding diameter	125 ± 0.7um, IEC 60793-1-20, TIA/EIA-455-176
Fiber diameter	242 ± 7um, with UV coating, and colored with a ColorLock™ coating process.
MFD concentricity error	not exceed 0.8 um @1310 nm
Cladding non-circularity	less than 0.7%
Cut-off wavelength	$\lambda_{cc} \leq 1260$ nm (measured in 20 m optical cable ± 2 m optical fiber)
Attenuation coefficient	0.38 dB/km max@1310 nm
	0.25 dB/km max@1550 nm
Bending-loss performance of Optical Fibers @1550nm	G.657A:The attenuation increase of 10 turns of fiber wound loosely at 15 mm radius will be less than 0.250 dB G.657B:The attenuation increase of 1 turns of fiber wound loosely at 7.5 mm radius will be less than 0.500 dB
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	0.092 ps/nm ² .km
Proof test	100 kpsi

C Mechanical Parameters

Tensile strength	60N/30N, conforme a IEC 794-1-E1 e ITU-T Rec. L.14	
Crush	1000N/300N (100 mm), conform to IEC 794-1-E3	
Impact	Conform to IEC 794-1-E4	
Repeated bending	Conform to IEC 794-1-E6	
Torsion	Conform to IEC 794-1-E7	
Flexing	Conform to IEC 794-1-E8	
Kink	Conform to IEC 794-1-E10	
Cable bend	Conform to IEC 794-1-E11	
Vibration	Conform to IEC 794-1	
Abrasion	Conform to IEC 794-1-E2	
Temperature requirement	Operation	- 20°C ~ +60 °C
	Installation	- 10°C ~ +50 °C
	Storage/transportation	- 20°C ~ +60 °C
Temperature cycling test	Conform to IEC 794-1-F1	
Bending Radius	Unloaded	10 times of outer diameter
	Loaded	20 times of outer diameter

D Cable section



ITEM		DESCRIPTION
Optical Fiber		ITU-T G.657A1/B1, 1 x 9/125 fiber
Strength member	Material	FRP/KFRP
	Diameter	0.6 mm
Outer sheath	Material	LSZH
Cable diameter		Approx. (2.0 ± 0.2) x (3.1 ± 0.2) mm
Cable weight		Approx. 7.1 kg/km
One (1) Colored coating fiber G.657A1	No.	1
	Color	Blue

E How to order

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