

LP-OC32XX All dielectric Drop Fiber Optical Cable with Colored Coating Fibers, LSZH Jacket, Two Strength members FRP, Bow Type, FTTH (Fiber to the home) and 1, 2, 4, or 6 singlemode or multimode fiber cores.

LPOC32XX_PFD_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.

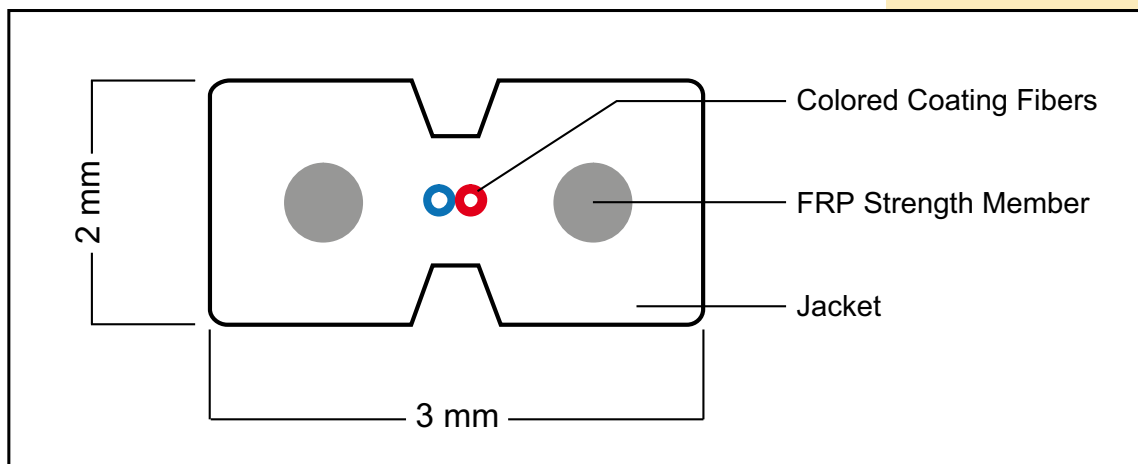


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The **LP-OC32XX** is a family of Fiber Optic Cables that the industry called a FTTH (Fiber-to-the-home) Drop Bow Type with 1, 2, 4 or 6 colored coating fibers.

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

A Cable Structure:



ITEM		DESCRIPTION
Optical Fiber		Select from table on the next page
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
Cable length per drum		2 Km standard, other custom lengths under special order

B Mechanical Parameters:

Tensile strength	60N/30N, conforme a IEC 794-1-E1 y 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

B Mechanical Parameters:

The dielectric strength of outer jacket		
Spark test voltage		
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

C List of Fibers

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
Standard Loose Tube SM	ZC	SMF-28e+™ Fiber	Full spectrum, low water peak singlemode, ITU-T G.652.D	B1.3 (G652D) P
Performance Loose Tube SM	ZB	SMF-28e+™ Fiber	Full spectrum, high performance low water peak singlemode with 0.35/0.25 attenuation, ITU-T G.652. D	
Tight Buffer SM	ZE	SMF-28e+™ Fiber	Full spectrum, low water peak singlemode with 900 µm PVC buffer, ITU-T G.652.D	
Long-Haul SM	ZG	LEAF® Fiber	Large Aeff, low water peak, NZ-DSF singlemode, ITU-T G.655	
Ultra-Bendable SM A3/B3	ZA	ClearCurve® ZBL	Full spectrum with best macrobending performance, ITU-T G.657.A3/B3	Full spectrum bend-insensitive single mode fiber with virtually zero bend loss in most indoor applications
Ultra-Bendable SM A2/B2	ZD	ClearCurve® LBL	Full spectrum with best macrobending performance, ITU-T G.657.A2/B2	Full spectrum bend-insensitive single mode fiber with low bend loss
Ultra-Bendable SM A1/B1	ZF	ClearCurve® XB	Full spectrum with best macrobending performance, ITU-T G.657.A1/B1	Full spectrum single mode fiber with enhanced bend capability
62.5 µm MM OM1	QG	InfiniCor® 300 Fiber	1 Gb/s ≤ 300 m a 850 nm, OM1* 1 Gb/s ≤ 550 m a 1300 nm	

C List of Fibers

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
62.5 µm MM OM1	QL	InfiniCor® CL™ 1000 Fiber	1 Gb/s ≤ 500 m a 850 nm, OM1* 1 Gb/s ≤ 1000 m a 1300 nm	IEC 60793-2-10 Type A1b
Ultra-bendable 50 µm MM OM2	BI	ClearCurve® OM2 Fiber	10 Gb/s ≤ 150 m a 850 nm, OM2* 1 Gb/s ≤ 750 m a 850 nm	IEC 60793-2-10 Type A1a
Ultra-bendable 50 µm MM OM3	TP	ClearCurve® OM3 Fiber	10 Gb/s ≤ 300 m a 850 nm, OM3* 1 Gb/s ≤ 1000 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TG	ClearCurve® OM4 Fiber	10 Gb/s ≤ 550 m a 850 nm, OM4* 1 Gb/s ≤ 1100 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TI	ClearCurve® OM4+ Fiber	10 Gb/s ≤ 600 m a 850 nm, OM4+* 1 Gb/s ≤ 1100 m a 850 nm	

D How to Order

LP-OC3213CCC7FF

LP-OC32		13
All dielectric Drop Fiber Optical Cable with Colored Coating Fibers, LSZH Jacket, Two Strength members FRP, Bow Type, FTTH (Fiber to the home)		Jacket Suffix: Dry Water Block
CCC	7	FF
Fiber Count: 001-006	Buffer Construction: Colored Coating Fibers	Fiber Type: Any core of the above List

Examples:

LP-OC32130017ZF	All dielectric Drop Fiber Optical Cable with one (1) singlemode ITU-T G657.A1/B1 Colored Coating Fiber, LSZH Jacket, Two Strength members FRP, Bow Type, FTTH (Fiber to the home).
LP-OC32130017QL	All dielectric Drop Fiber Optical Cable with one (1) Multimode 62.5/125 IEC 60793-2-10 Type A1b Colored Coating Fiber, LSZH Jacket, Two Strength members FRP, Bow Type, FTTH (Fiber to the home).

LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.