

**LP-OC33XX Drop Fiber Optical Cable with Colored coating fibers, LSZH-rated Jacket, self supporting, central steel wire, Bow type, Two Strength members FRP and 1,2,4,6 singlemode or multimode fiber cores.**

LPOC33XX\_PFD\_ENB01W

### Features:

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission properties.
- Simple structure, light weight, high tensile strength.
- 1, 2, 4 or 6 Fibers.
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber.
- A steel wire is added for self support enabling it to be used in outdoor aerial Fiber To The Home (FTTH) applications.
- Novel groove design, easily strip and splice, simplified installation and maintenance.



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(Fiber-to-the-home) with Colored coating fibers,  
LSZH-rated Jacket, self supporting, central steel wire,  
Bow type, Two Strength members FRP and 1,2,4,6  
singlemode or multimode fiber cores.**

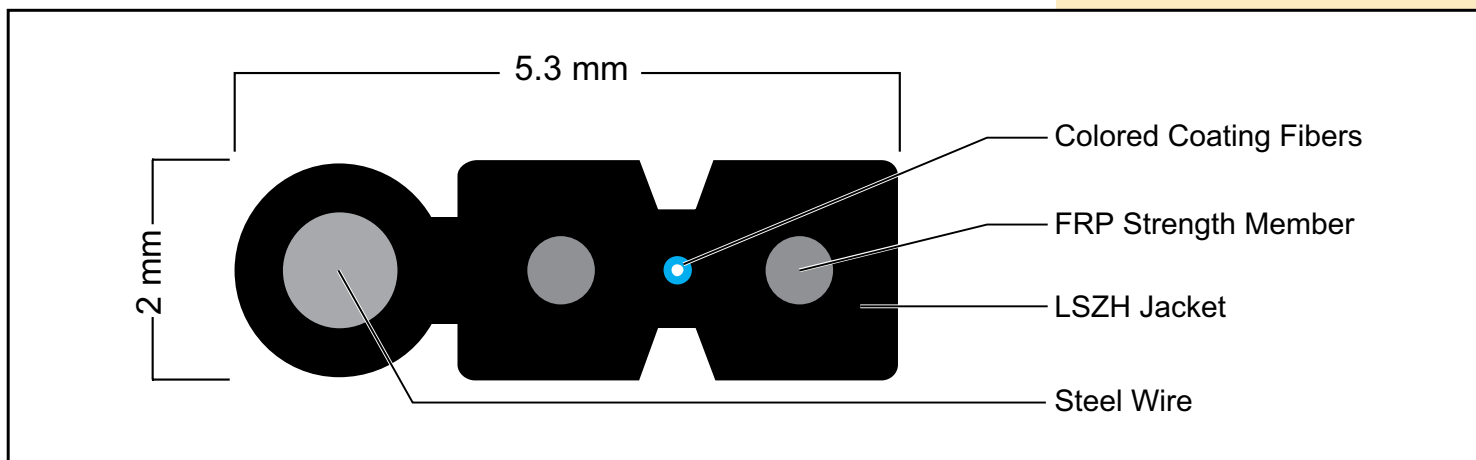
The **LP-OC33XX** is a family of cables designed for Fiber-To-The-Home (FTTH) Aerial Outdoor environment applications.

The optical fibers are placed in the center. Two FRP strength members are placed at the sides. A steel wire is added for self support enabling it to be used in outdoor aerial Fiber-To-The-Home (FTTH) applications.

The number of fibers can be 1, 2, 4 or 6 of the Multimode or Singlemode Type as per customer requirements.

**LanPro** uses only the finest fiber strands brands in the world. Usually from Corning® but also from Prysmian® or other recognized brands depending on the availability at the moment of the production.

**A Cable Section**



**B Cable Parameters**

ITEMS		SPECIFICATIONS
Fiber Count		1, 2, 4 or 6
Colored Coating Fiber	Dimension	250 ± 15 µm
Strength Member	Dimension	0.5 mm
	Material	FRP
Self Supporting Member	Dimension	1.0 mm
	Material	Steel
Jacket	Dimension	5.3 ± 0.2 mm x 2.2 ± 0.1 mm
	Material	LSZH
	Color	Black

**C Mechanical and Environmental Characteristics**

ITEMS	UNITS	SPECIFICATIONS
Tension (Long Term)	N	300
Tension (Short term)	N	600
Crush (Long Term)	N/10 cm	300
Crush (Short Term)	N/10 cm	2200
Min. Bending Radius (Dynamic)	mm	20 D
Min. Bending Radius (Static)	mm	10 D
Installation Temperature	°C	-10 to +50
Operating Temperature	°C	-20 to +65
Storage Temperature	°C	-20 to +65

**D List of fibers:**

FIBER TYPE	LANPRO	DESCRIPTION	COD MFGR
Standard Loose Tube SM	ZC	Full spectrum, low water peak singlemode, ITU-T G.652.D	<b>B1.3 (G652D) P</b>
Performance Loose Tube SM	ZB	Full spectrum, high performance low water peak singlemode with 0.35/0.25 attenuation, ITU-T G.652. D	
Tight Buffer SM	ZE	Full spectrum, low water peak singlemode with 900 µm PVC buffer, ITU-T G.652.D	
Long-Haul SM	ZG	Large Aeff, low water peak, NZ-DSF singlemode, ITU-T G.655	
Ultra-Bendable SM A3/B3	ZA	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	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	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	1 Gb/s ≤ 300 m a 850 nm, OM1* 1 Gb/s ≤ 550 m a 1300 nm	
62.5 µm MM OM1	QL	1 Gb/s ≤ 500 m a 850 nm, OM1* 1 Gb/s ≤ 1000 m a 1300 nm	<b>IEC 60793-2-10 Type A1b</b>
Ultra-bendable 50 µm MM OM2	BI	10 Gb/s ≤ 150 m a 850 nm, OM2* 1 Gb/s ≤ 750 m a 850 nm	<b>IEC 60793-2-10 Type A1a</b>
Ultra-bendable 50 µm MM OM3	TP	10 Gb/s ≤ 300 m a 850 nm, OM3* 1 Gb/s ≤ 1000 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TG	10 Gb/s ≤ 550 m a 850 nm, OM4* 1 Gb/s ≤ 1100 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TI	10 Gb/s ≤ 600 m a 850 nm, OM4+* 1 Gb/s ≤ 1100 m a 850 nm	

**E How to Order**

**LP-OC3313CCC7FF**

<b>LP-OC33</b>		<b>13</b>
Drop Fiber Optical Cable FTTH (Fiber-to-the-home) with Colored coating fibers, LSZH-rated Jacket, self supporting, central steel wire, Bow type, Two Strength members FRP.		<b>Jacket Suffix:</b> Dry water block
<b>CCC</b>	<b>7</b>	<b>FF</b>
<b>Fiber Count:</b> 001 - 006	<b>Buffer Construction:</b> Colored Coating Fibers	<b>Fiber Type:</b> Any core of the above List

**Examples:**

<b>LP-OC33130017ZF</b>	Drop Fiber Optical Cable FTTH (Fiber-to-the-home) with one (1) singlemode ITU-T G.657.A1/B1 Colored coating fiber, LSZH-rated Jacket, self supporting, central steel wire, Bow type, Two parallel strength members FRP in a 2 km length wooden drum.
<b>LP-OC33130017QL</b>	Drop Fiber Optical Cable FTTH (Fiber-to-the-home) with one (1) multimode 62.5/125 IEC 60793-2-10 Type A1b Colored coating fiber, LSZH-rated Jacket, self supporting, central steel wire, Bow type, Two parallel strength members FRP in a 2 km length wooden drum.