

**LP-OC15XX Fiber Optical Cable with Loose Tubes, Single PE Jacket, Steel wire/Stranded Core central strength member, Dry Water Block and Ripcord**

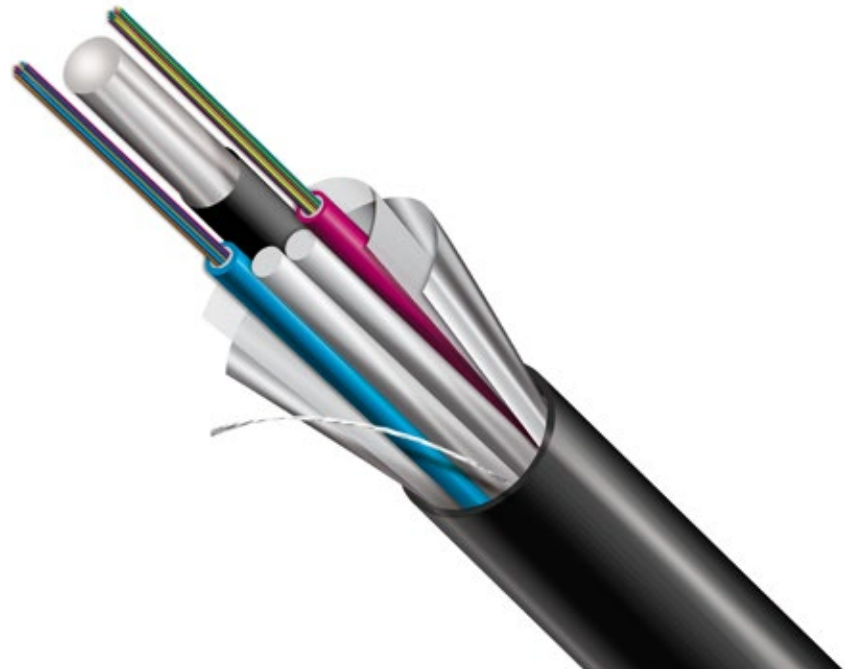
LPOC15XX\_PFD\_ENB01W

**Features**

- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Dry Water Block.
- Peripheral strength is provided by the aluminium tape when the fiber count is 98 to 144.
- Steel wire Stranded Core central strength member.

**Applications**

- Interbuilding voice or data communication backbones.
- Installed in ducts, underground conduit or aerial/lashed.
- Long-haul communication systems.
- Junction Communication systems.
- Subscriber network systems.
- Local area network systems.

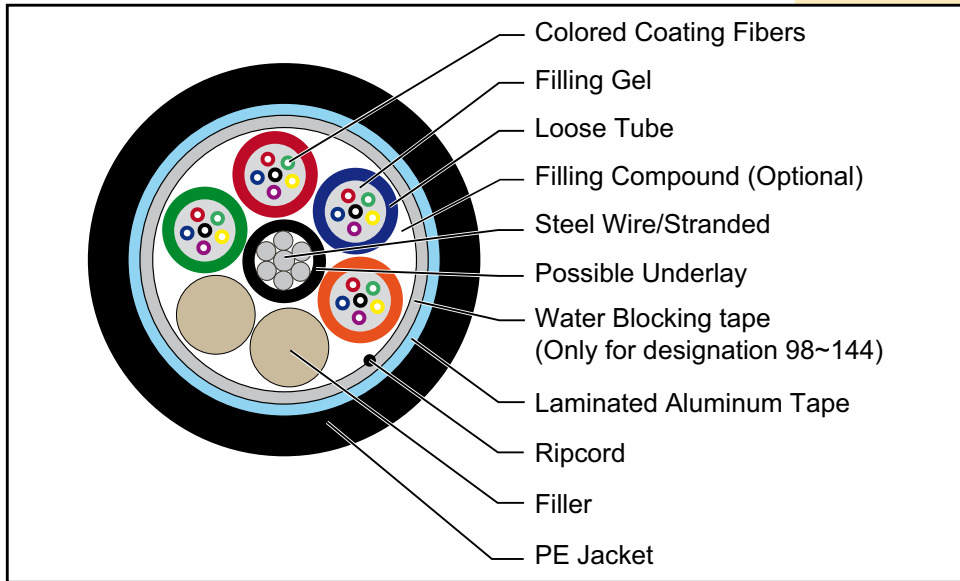
**LP-OC15XX****Fiber Optical Cable with Loose Tubes, Single PE Jacket, Steel wire/Stranded Core central strength member, Dry Water Block and Ripcord**

The **LP-OC15XX** is a family of Fiber Optic Cables that the industry called an Outside Plant Cable for underground conduits or ducts or in aerial/lashed deployment.

These cables are constructed by Loose Tubes, Central Steel wire/stranded strength member and moisture barrier inner sheathed, protected by a black external PE jacket UV- and moisture- resistant design.



**A Cable Section**



**B Characteristics**

**Fibers:**

- 002-144 fibers.
- Loose tube gel-filled.
- Color-coding per TIA/EIA 598 B.

**Central Strength Member**

- Steel Wire Strand with possible underlay.

**Outer Jacket**

- Black UV- and moisture-resistant polyethylene (PE).
- Sequential meter markings standard/ Footage optional.

**Dry Water Blocking**

- With dry powder (optional)
- Whit water blocking tape (for designation 98~144 fibers).

**Compliances**

- ANSI/TIA/EIA 568 B.3.
- ICEA S-87-640.
- Rural Utilities Service (RUS) 7 CFR 1755.900 (REA PE-90).
- GR-20.
- RoHS Compliant Directive 2002/95/EC.

**C Dimensional Characteristics**

Fiber Count	Max. Number of fibers per tube	Strenght member diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-30	6	1.6	5	10.6	108
32-36	6	2.3	6	11.3	135
38-60	12	2.0	5	12.0	140
62-72	12	2.3	6	12.8	165
74-96	12	2.3	8	14.5	200
98-120	12	2.3	10	16.5	246
122-144	12	2.3	12	18.5	300

**D Mechanical & Environmental Characteristics**

Characteristics	2-60 Fibers	62-144 Fibers
Tensile Strength	1500 N	3000 N
Crush Resistance	1000N/100mm	
<b>Minimum Bending Radius</b>		
During Installation	20 x Diameter	
After Installation	10 x Diameter	
<b>Temperature range</b>		
Storage	-50 °C to + 70 °C	
Operating	-40 °C to + 60 °C	

**E List of Fibers**

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFRG
Standard Loose Tube SM	ZC	SMF-28e+™ Fiber	Full spectrum, low water peak singlemode, ITU-T G.652.D	<b>B1.3 (G652D) P</b>
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	
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	<b>IEC 60793-2-10 Type A1b</b>

**E List of Fibers**

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
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	<b>IEC 60793-2-10 Type A1a</b>
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	

**F How to Order**

**LP-OC1512CCC4FF**

<b>LP-OC15</b>		<b>12</b>
Loose Tube Single Jacket Metallic Strenght Member Fiber Optic Cable		<b>Jacket Suffix:</b> Dry Water Block with Ripcord
<b>CCC</b>	<b>4</b>	<b>FF</b>
<b>Fiber Count:</b> 002-144	<b>Buffer Construction:</b> Multi-fiber loose Tube (Gel-Filled).	<b>Fiber Type:</b> Any core of the above List

**Examples:**

<b>LP-OC15120044QL</b>	Fiber Optical Cable with 4 multimode 62.5/125-IEC 60793-2-10 Type A1b fibers, Loose Tubes, Single PE Jacket, Steel wire Stranded Core central strength member, Dry Water Block and Ripcord.
<b>LP-OC15120044ZC</b>	Fiber Optical Cable with 4 singlemode 9/125, full spectrum, low water peak ITU-T G.652.D/B1.3 fibers, Loose Tubes, Single PE Jacket, Steel wire Stranded Core central strength member, Dry Water Block and Ripcord.

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