

**LP-OC47XX**

**Fiber Optical Cable with Loose tubes, single PE jacket, central strength member of FRP, laminated aluminum tape, dry water block cable core and Ripcord**

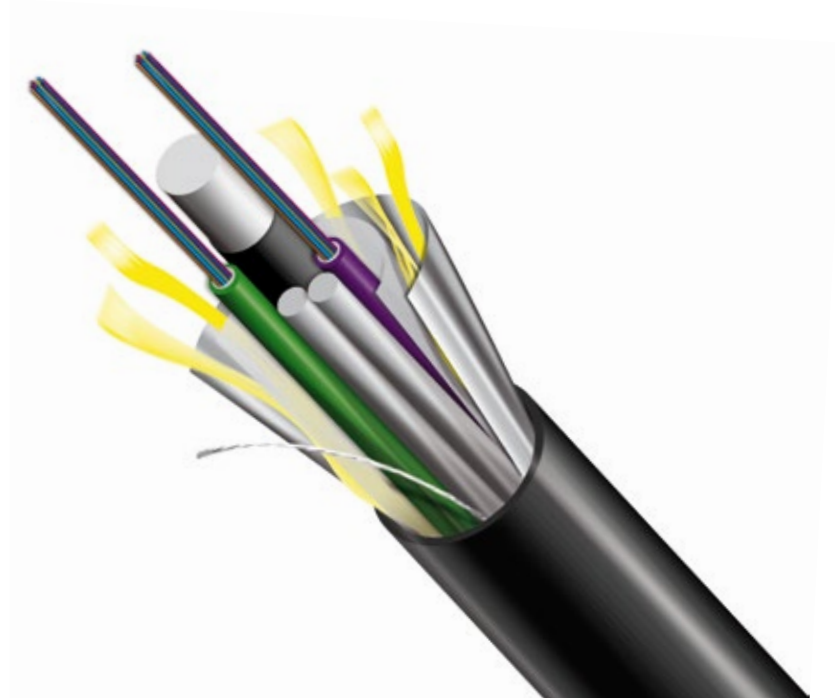
LPOC47XX\_PFD\_ENB01W

**Features**

- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Laminated Aluminum Tape.
- Dry Water Block cable core for ease of handling.

**Applications**

- Interbuilding voice or data communication backbones.
- Outdoor applications.
- Long-haul communication system.
- Junction communication systems.
- Subscriber network systems.
- Local area network systems.

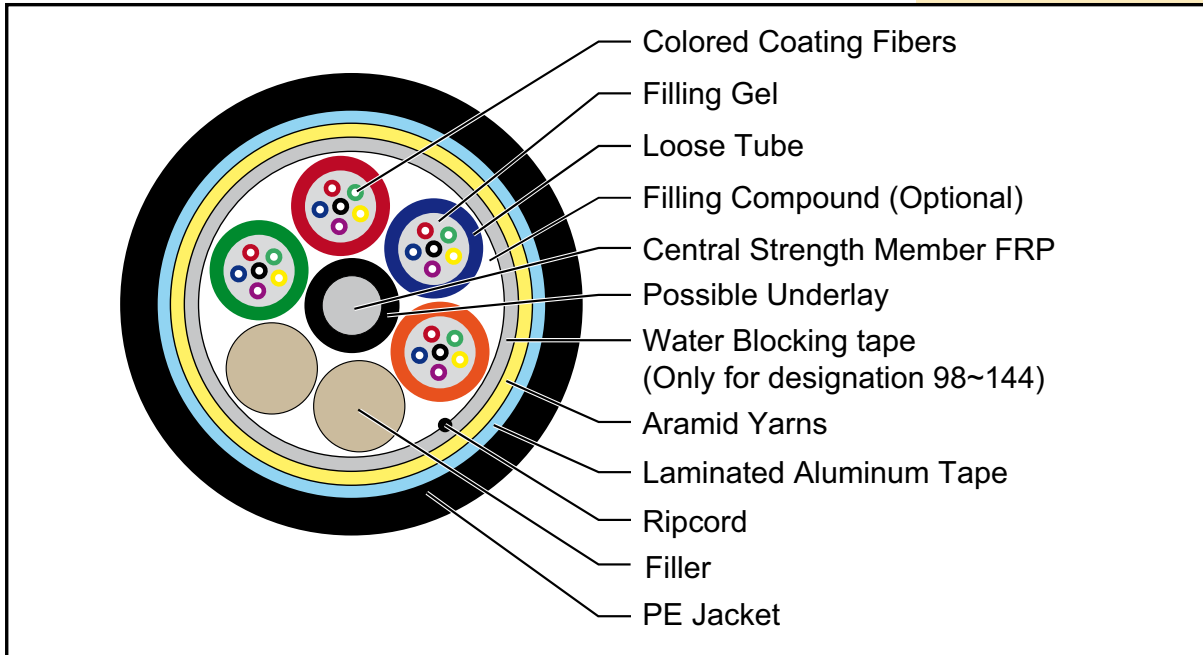
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The **LP-OC47XX** is family of Fiber optic cables that the industry call an Outside Plant Cable for underground conduits, ducts or in aerial/lashed deployment.

Loose tube style, optical fiber cable with non-metallic central strength member of FRP and peripheral strength members with moisture barrier inner sheathed and Laminated Aluminum Tape. Cable protected by a black PE oversheath, suitable for duct or aerial application. Tubes contain optical singlemode or multimode fibers color coding scheme.

**A Cable Section**



**B Product Construction**

**Fibers:**

- 2-144 fibers.
- Loose tube gel-filled.
- Color-coding per TIA/EIA 598 B.

**Central Strength Member:**

- FRP (Fiber Reinforced Plastic) (A rod made of Epoxy/glass).

**Jacket:**

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

**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	FRP diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-36	6	2.3	6	11.3	112
38-72	12	2.8	6	12.8	144
74-96	12	2.8	8	14.8	179
98-120	12	2.8	10	16.7	225
122-144	12	2.8	12	18.7	279

**D Mechanical & Environmental**

Characteristics	2-72 Fibers	98-144 Fibers
Tensile Strength	1500N	3000N
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 MFGR
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	

**E 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	<b>IEC 60793-2-10 Type A1b</b>
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-OC4712CCC4FF**

<b>LP-OC47</b>		<b>12</b>
Fiber Optical Cable with Loose tubes, single PE jacket, central strength member of FRP, laminated aluminum tape and Ripcord		<b>Jacket Suffix:</b> Dry Water Block Cable Core
<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-OC47120044QL</b>	Fiber Optical Cable, with 4 multimode OM1 62.5/125-IEC 60793-2-10 type A1B fibers, Loose Tubes, single PE jacket, central strength member of FRP, laminated aluminum tape, dry water block cable core and Ripcord.
<b>LP-OC47120044ZC</b>	Fiber Optical Cable, with 4 singlemode G.652.D, 9/125, full spectrum, low water peak fibers, Loose Tubes, single PE jacket, central strength member of FRP, laminated aluminum tape, dry water block cable core and Ripcord.

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