

LP-OC07XX Fiber Optical Cable with Loose Tubes, Double PE Jacket, self supporting, Figure 8, central steel wire/strand, messenger wire, laminated aluminum tape for strength, Dry Water Block and Ripcord

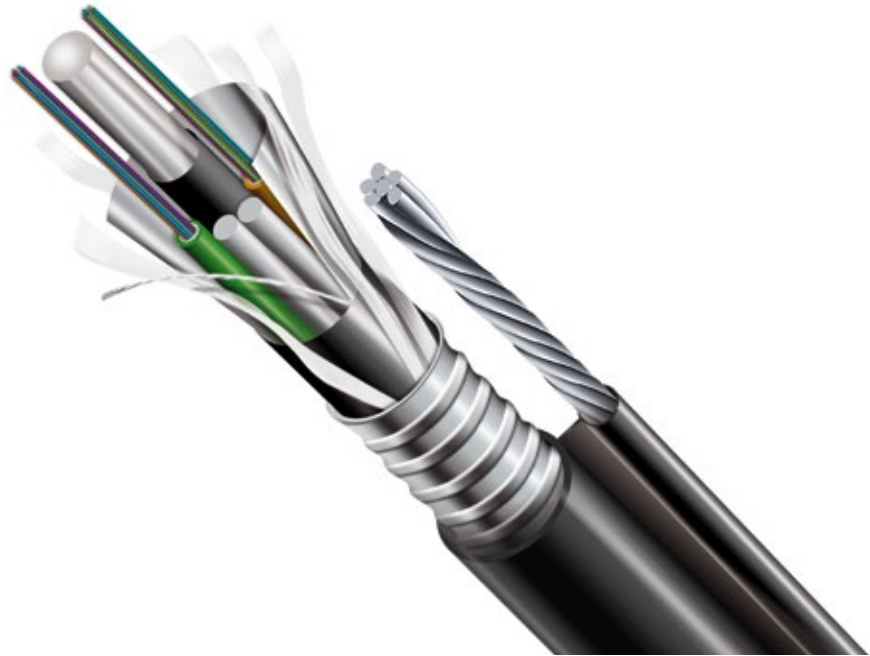
LPOC07XX_PFD_ENB01W

Features

- Loose tube gel filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Dry Water Block for ease of handling.
- Armored with steel wire/strand central strength member.
- Figure 8.
- Messenger Wire.
- Laminated aluminum tape and corrugated steel tape for strength.

Applications

- Usable for Aerial installation.
- Long-haul communication systems.
- Junction communication systems.
- Subscriber network systems.
- Local area network systems.

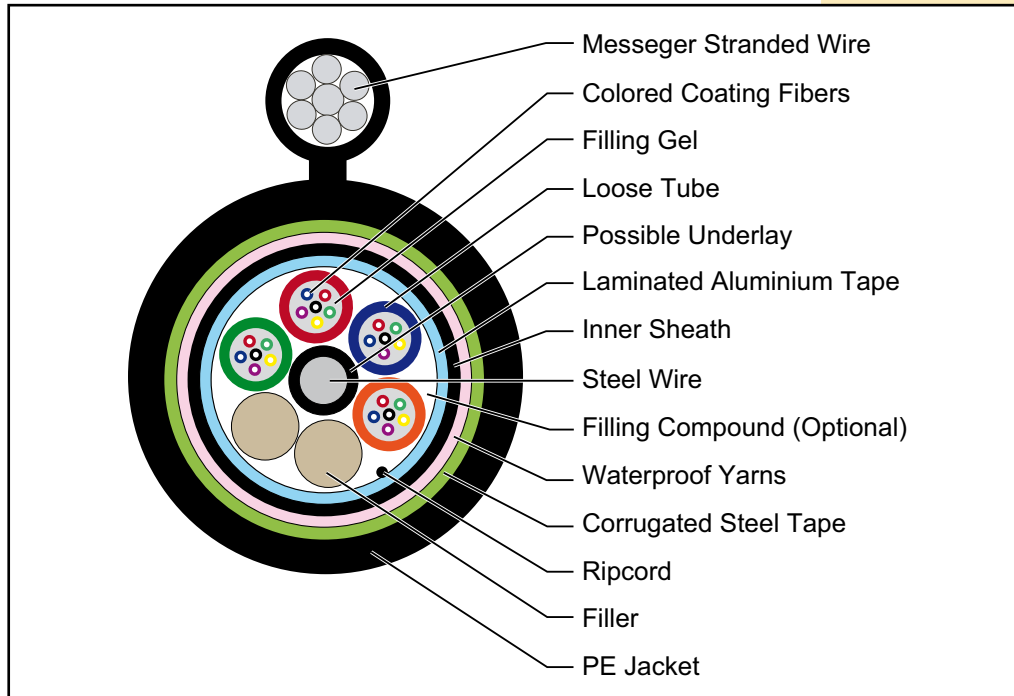


LP-OC07XX

Fiber Optical Cable with Loose Tubes, Double PE Jacket, self supporting, Figure 8, central steel wire/strand, messenger wire, laminated aluminum tape for strength, Dry Water Block and Ripcord

The **LP-OC07XX** is a Fiber Optic Cables that the industry called an Outside Plant Cable, Loose Tubes, Figure 8 armored with steel wire/strand central strength member and moisture barrier inner sheath incorporating steel messenger wire suitable for overhead installation as pole-to-pole or pole-to-premises.

A Cable Section



B Characteristics

Product Construction Fiber:

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

Central Strength Member:

- Central Steel Wire/Strand.

Inner Jacket:

- Black UV- and moisture-resistant polyethylene (PE).

Armor:

- Corrugated coated steel tape.

Messenger Wire:

- Steel Messenger wire strand

Outer Jacket:

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

Strength Tape:

- Laminated Aluminum Tape.

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	Steel wire/strand diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-36	6	2.3	6	15.2 x 32	450
50-72	12	2.3	6	16.8 x 34.0	520
74-96	12	2.3	8	18.5 x 38.0	630
98-120	12	2.3	10	20.6 x 38.0	630
122-144	12	2.3	12	22.6 x 40.0	710

D Mechanical & Environmental Characteristics.

Characteristics	2-72 fibers	74-96 fibers	98-144 fibers
Tensile Strength	10000N	12000N	13000N
Crush Resistance	3000 N/100 mm	3000 N/100 mm	3000 N/100 mm
Minimum Bending Radius			
During Installation	20 x Diameter		
After Installation	10 x Diameter		
Temperature range			
Storage	-50°C to +70°C		
Operating	-40°C to +60°C		

E List of fiber Cores available

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	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

E List of fiber Cores available

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
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	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	

F How to Order:

LP-OC0712CCC4FF

LP-OC07		12
Fiber Optical Cable with Loose Tubes, Double PE Jacket, self supporting, Figure 8, central steel wire/strand, messenger wire, laminated aluminum tape for strength.		Jacket Suffix: Dry Water Block with Ripcord
CCC	4	FF
Fiber Count: 002-144	Buffer Construction: Multi-fiber loose Tube (Gel-Filled).	Fiber Type: Any core of the above List

Examples:

LP-OC07120084QL	Fiber Optical Cable with 8 Multimode 62.5/125- IEC 60793-2-10 type A1b fibers, Loose Tubes, Double PE Jacket, self supporting, Figure 8, central steel wire/strand, messenger wire, laminated aluminum tape for strength, Dry Water Block and Ripcord.
LP-OC07120084ZC	Fiber Optical Cable with 8 Singlemode 9/125- full spectrum, low water peak, ITU-T G.652.D/B1.3 fibers, Loose Tubes, Double PE Jacket, self supporting, Figure 8, central steel wire/strand, messenger wire, laminated aluminum tape for strength, Dry Water Block and Ripcord.

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