

**LP-OC18XX Fiber Optical Cable with Loose Tubes, Double PE Jacket,
Central steel wires/stranded, corrugated steel tape, laminated aluminum tape and Ripcord**

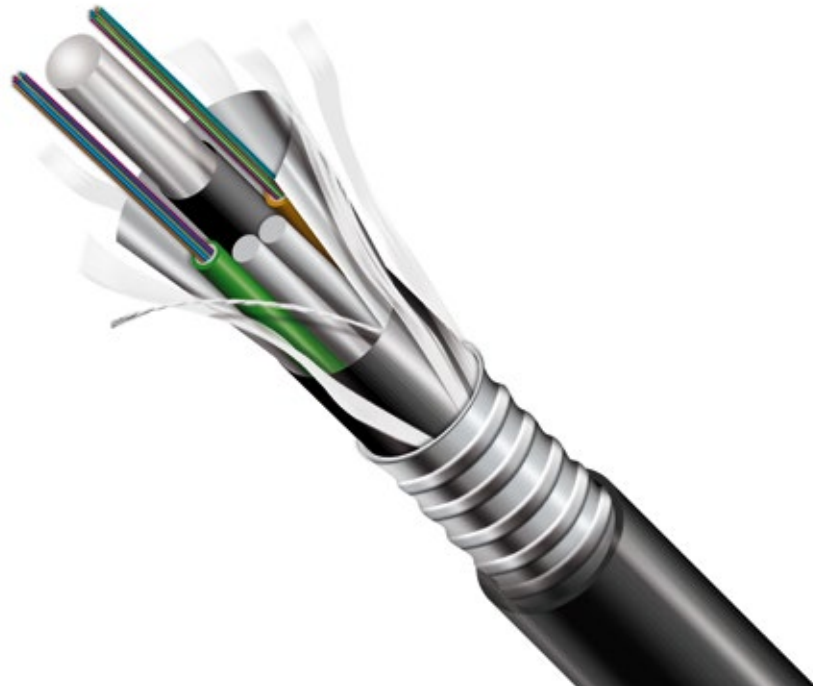
LPOC18XX_PFD_ENB01W

Features

- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Rodent-resistant construction.
- Dry Water Block for ease of handling.

Applications

- Usable in Direct burial or Aerial.
- Long-haul communication systems.
- Junction communication systems.
- Subscriber network systems.
- Local area network systems.

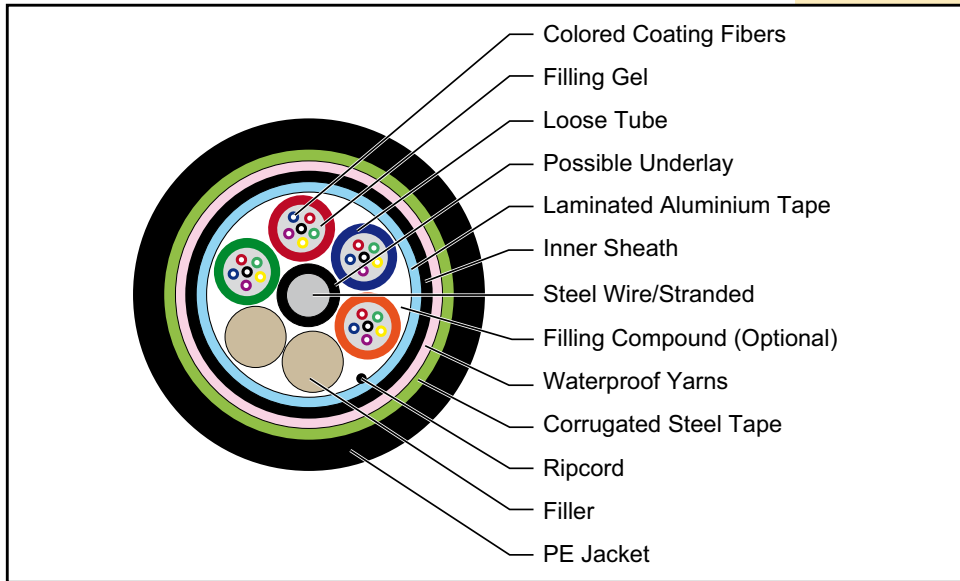


**LP-OC18XX
Fiber Optical Cable with Loose Tubes, Double PE Jacket,
Central steel wires/stranded, corrugated steel tape,
laminated aluminum tape and Ripcord**

The **LP-OC18XX** 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, armor with corrugated steel tape for rodent and crushing protection, Central strength member of steel wire/stranded and moisture barrier inner sheathed, an internal PE jacket, laminated aluminum tape to increase the crushing strength and finally is protected by a black external PE jacket UV- and moisture- resistant design.

A Cable Section



B Dimensional Characteristics

Fibers:

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

Central Strength Member

- Central Steel Wire/Strand.

Outer Jacket

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

Armor

- Corrugated coated steel tape.
- Laminated Aluminum Tape.

Outer 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 Compliances

Fiber Count	Max. Number of fibers per tube	Strenght member diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-36	6	2.3	6	14.9	237
38-72	12	2.3	6	16.5	277
74-96	12	2.3	8	18.2	327
98-120	12	2.3	10	20.3	389
122-144	12	2.3	12	20.3	458

D Mechanical & Environmental Characteristics

Characteristics	
Tensile Strength	3000N
Crush Resistance	3000N/100mm
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 Fibers

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFR
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	

E List of Fibers

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFR
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-OC1812CCC4FF

LP-OC18		12
Loose Tubes, Double PE Jacket, Central steel wires/stranded, laminated aluminum tape, corrugated steel tape and Ripcord		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-OC18120084QL	Fiber Optical Cable with 8 multimode 62.5/125-IEC 60793-2-10 Type A1b fibers, Loose Tubes, Double PE Jacket, Central steel wires/stranded, laminated aluminum tape, corrugated steel tape and Ripcord.
LP-OC18120084ZC	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, Central steel wires/stranded, laminated aluminum tape, corrugated steel tape and Ripcord.

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