

LP-OC19XX Fiber Optical Cable with Loose Tubes, Double PE Jacket, Central Strength member FRP, laminated aluminum tape, corrugated steel tape and Ripcord

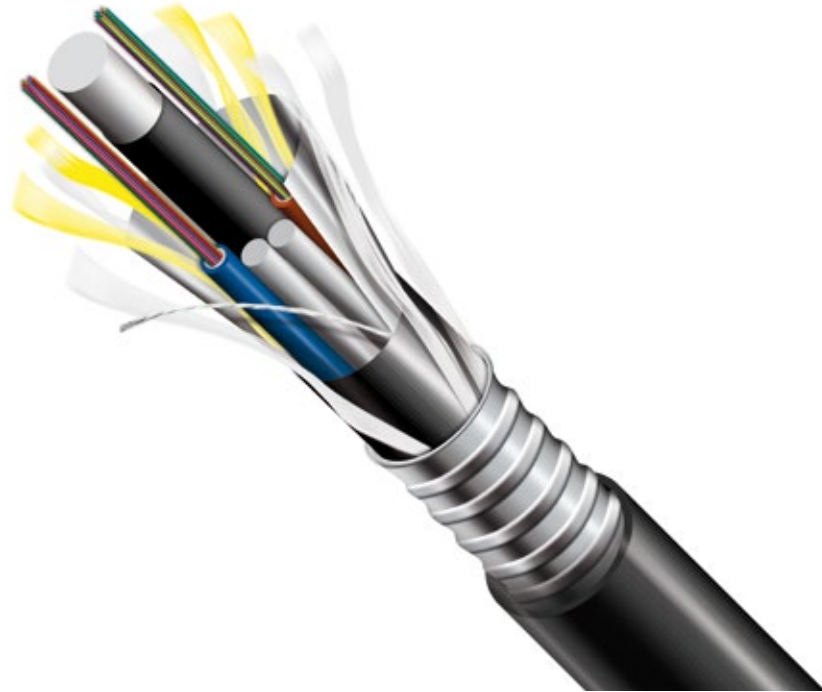
LPOC19XX_PFD_ENB01W

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

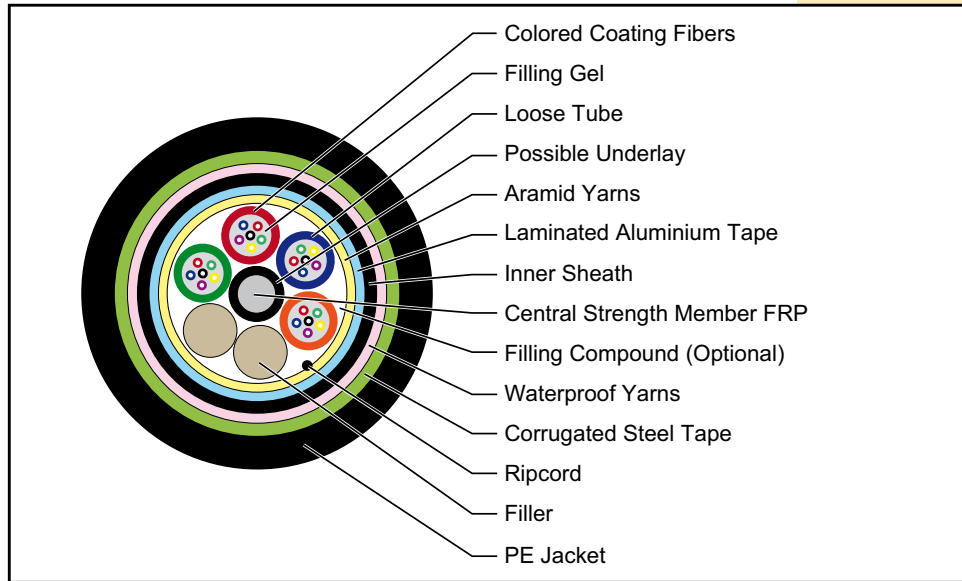
- Usable in Direct burial or Aerial.
- Long-haul communication systems.
- Junction communication systems.
- Subscriber network systems.
- Local area network systems.

**LP-OC19XX
Fiber Optical Cable with Loose Tubes, Double PE Jacket,
Central Strength member FRP, laminated aluminum tape,
corrugated steel tape and Ripcord**

The **LP-OC19XX** 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 FRP 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 Product Construction

Fibers:

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

Central Strength Member

- FRP Fiber Reinforced Plastic.

Inner 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 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)
2-36	6	2.3	6	14.9	213
38-72	12	2.8	6	16.5	256
74-96	12	2.8	8	18.2	306
98-120	12	2.3	10	20.3	368
122-144	12	2.8	12	22.3	437

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 MFGR
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 @ 850 nm, OM1* 1 Gb/s ≤ 550 m @ 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	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-OC1912CCC4FF

LP-OC19		12
Loose Tubes, Double PE Jacket, Central Strength member FRP, 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-OC19120084QL	Fiber Optical Cable with 8 multimode 62.5/125-IEC 60793-2-10 Type A1b fibers, Loose Tubes, Double PE Jacket, Central Strength member FRP, laminated aluminum tape, corrugated steel tape and Ripcord.
LP-OC19120084ZC	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 Strength member FRP, 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.