LP-OC02XX Fiber Optical Cable with Loose Tubes, Double PE jacket, Central steel wire/stranded, Corrugated Steel Tape, Dry Water Block and Ripcord

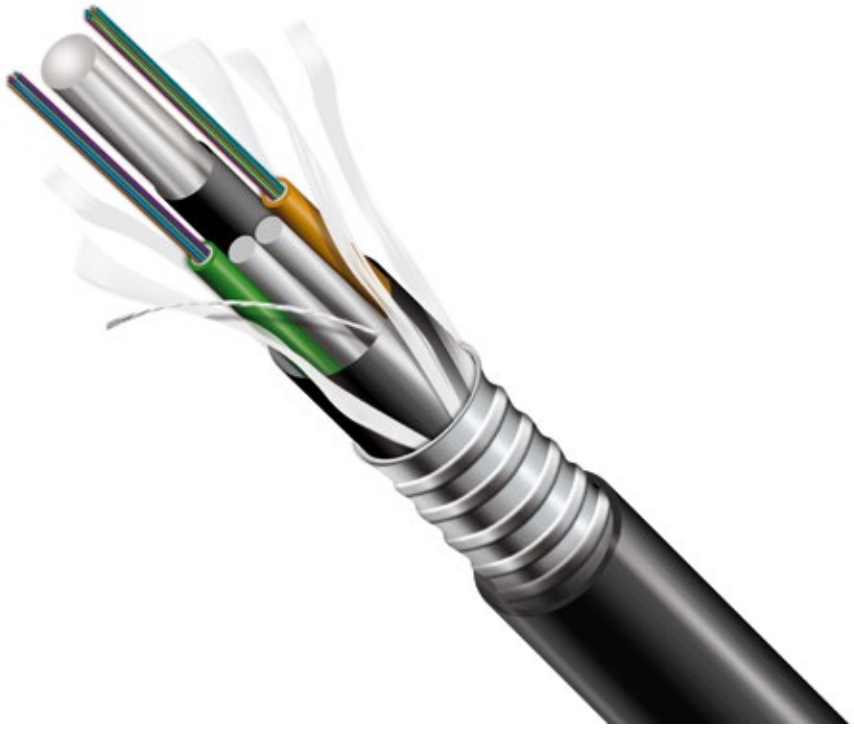
LPOC02XX_PFD_ENB01W

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.
- Steel wire/strand central strength member.

Applications

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

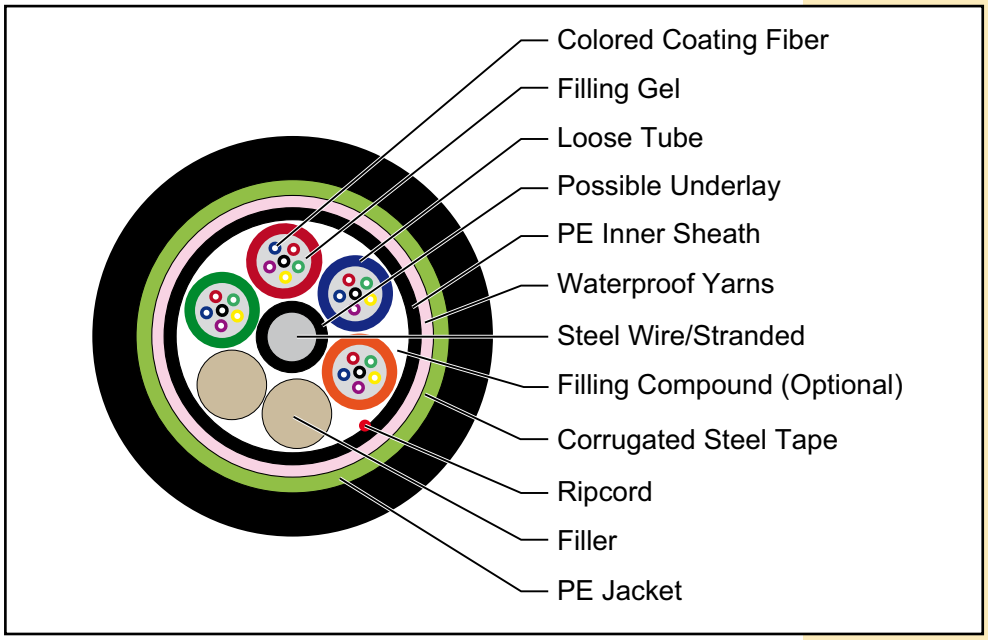


LP-OC02XX
Fiber Optical Cable with Loose Tubes, Double PE jacket, Central steel wire/stranded, Corrugated Steel Tape, Dry Water Block and Ripcord

The **LP-OC02XX** is a family of Fiber Optic Cables that the industry calls an Outside Plant Cable, made sturdy enough for laying directly buried or in underground conduits or ducts or in aerial/lashed deployment.

The LanPro Loose tube (gel-filled) Fiber Optic cables, with metallic central strength member of steel wire/stranded and moisture barrier inner sheathed is protected by a corrugated steel armoring and black PE oversheath for protection against mechanical damage and termite or rodent attack, suitable for direct burial or aerial application.

A Cable Section



B Characteristics

Product Construction Fiber:
- 2–144 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.

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	FRP diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-36	6	2.3	6	13.9	206
38-72	12	2.3	6	15.5	242
74-96	12	2.3	8	17.2	288
98-120	12	2.3	10	18.9	339
122-144	12	2.3	12	20.8	400

D Mechanical & Environmental

Characteristics	Description
Tensile Strenght	3000 N
Crush Resistance	3000 N/100 mm
Minimum Bending Radius	
During Installation	20 x Diameter
After Installation	10 x Diameter
Temperature range	
Storage	- 50 ºC to + 70 ºC
Operating	- 40 ºC to + 60 ºC

E List of fiber Cores available

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 a 850 nm, OM1* 1 Gb/s ≤ 550 m a 1300 nm	

E List of fiber Cores available

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-OC0212CCC4FF

LP-OC02	12	CCC
Double PE jacket, Central steel wire/stranded and Corrugated Steel Tape Cable	**Jacket Suffix:** Dry Water Block with Ripcord	**Fiber Count:** 002-144
4	**FF**	
Buffer Construction: Multi-fiber loose Tube (Gel Filled).	**Fiber Type:** Any core of the above List	

Examples:

LP-OC02120084QL	Fiber Optical Cable with 8 multimode 62.5/125 IEC60793-2-10 type A1b fibers, Loose Tubes, Double PE jacket, Central steel wire/stranded, Corrugated Steel Tape, Dry Water Block and Ripcord.
LP-OC02120084ZC	Fiber Optical Cable with 8 singlemode 9/125, full spectrum, low water peak, ITU-T G.652D/B1.3 fibers, Loose Tubes, Double PE jacket, Central steel wire/stranded, Corrugated Steel Tape, Dry Water Block and Ripcord.