

LP-OC21XX Fiber Optical Cable with central Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member and Ripcord

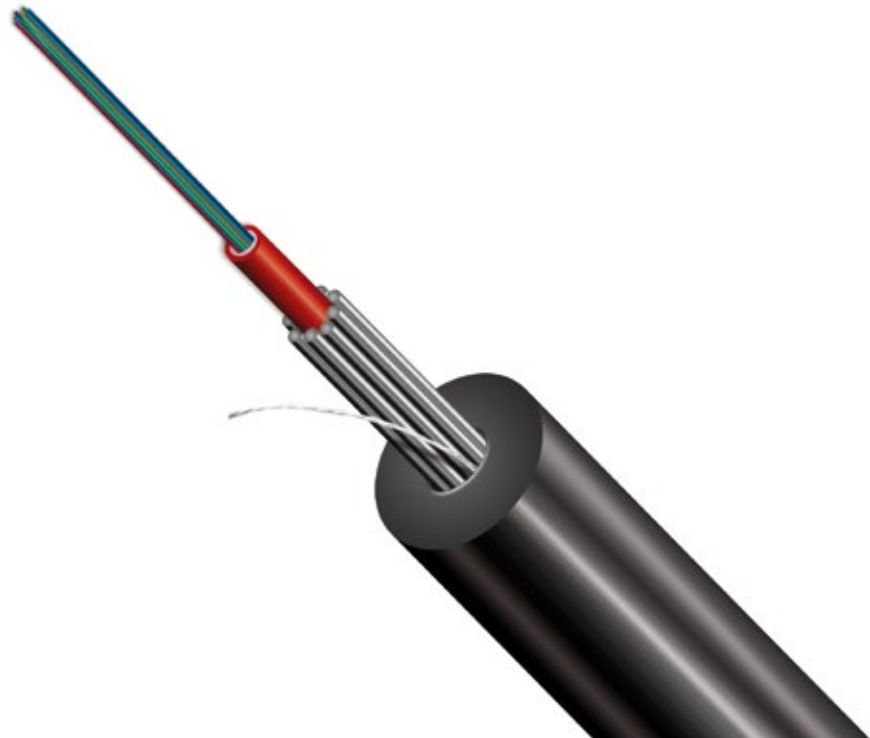
LPOC21XX_PFD_ENB01W

Features

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

Applications

- Usable in aerial installations.
- Long-haul communication systems.
- Subscriber network systems.
- Local area network systems.



LP-OC21XX

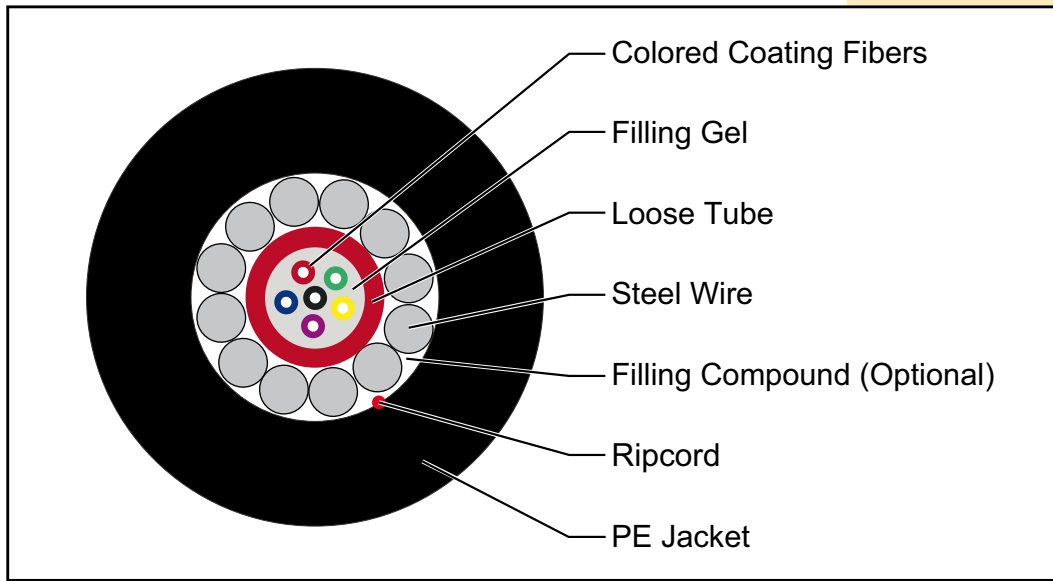
Fiber Optical Cable with central Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member and Ripcord

The **LP-OC21XX** is a family of Fiber Optic Cables that the industry called an Aerial Outdoor Optical Cable, made sturdy enough for aerial deployment.

These cables are constructed by central Loose Tubes, armor with a layer of galvanized steel wires and is protected by a black external PE jacket UV- and moisture- resistant design.



A Cable Section



B Characteristics

Fibers:

- 002-012 fibers.
- Central Loose tube gel-filled.
- Color-coding per TIA/EIA 598 B.

Strength Member

- Layer of Galvanized steel wires.

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	Steel Wire Nominal	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
02-12	1.0 mm x 12	9.2	120

D Mechanical & Environmental Characteristics

Characteristics	
Tensile Strength	3000 N
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 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	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-OC2112CCC4FF

LP-OC21		12
Central Loose tubes, Single PE Jacket, layer of galvanized steel wires strength members		Jacket Suffix: Dry Water Block with Ripcord
CCC	4	FF
Fiber Count: 02 - 12	Buffer Construction: Multi-fiber loose Tube (Gel-Filled).	Fiber Type: Any core of the above List

Examples:

LP-OC21120084QL	Fiber Optical Cable with 8 multimode 62.5/125-IEC 60793-2-10 Type A1b fibers, central Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member and Ripcord.
LP-OC21120084ZC	Fiber Optical Cable with 8 singlemode 9/125, full spectrum, low water peak ITU-T G.652.D/B1.3 fibers, central Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member and Ripcord.

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