

LP-OC10XX All dielectric Self Supporting Optical Cable for long span, greather than 150m, Loose Tubes, Double PE Jacket, peripheral Aramid® yarns with Central Strenght member FRP and Ripcord.

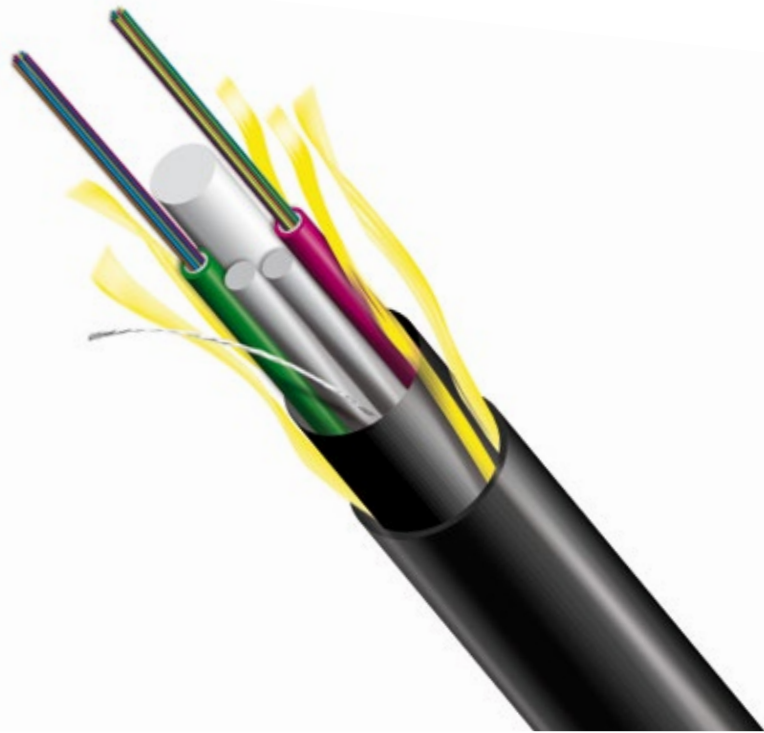
LPOC10XX_PFD_ENB01W

Features

- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Rodent-resistant construction.
- Dry Water Block cable core for ease of handling.
- All dielectric Self Supporting Optical Cable for selectable spans greather than 150m

Applications

- Usable in Power Lines.
- Pole to Pole or pole to premises.



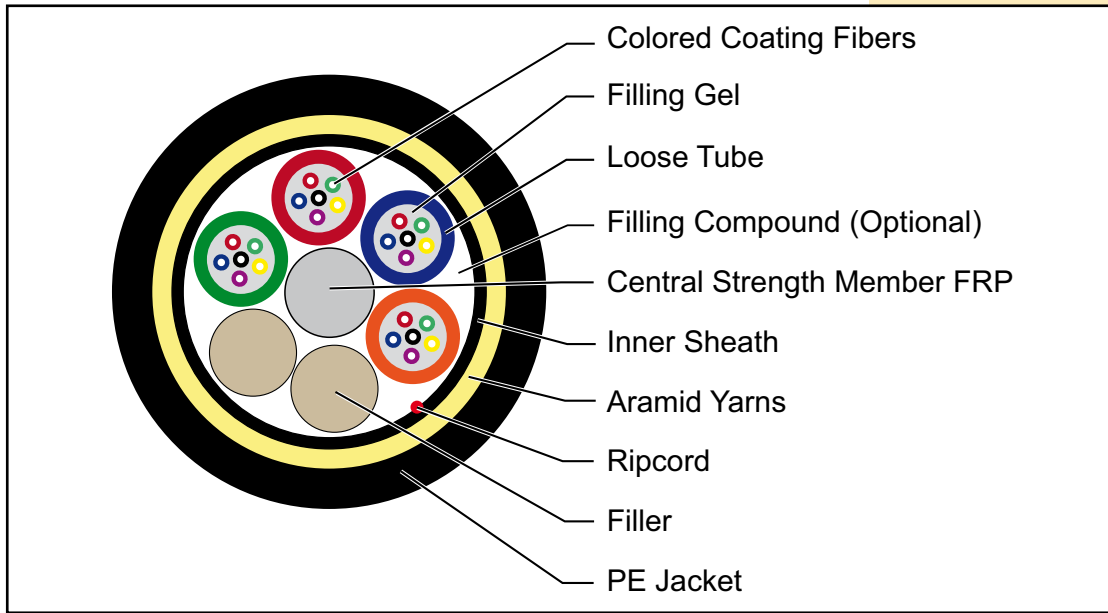
LP-OC10XX

All dielectric Self Supporting Optical Cable for long span, greather than 150m, with Loose Tubes, Double PE Jacket, peripheral Aramid® yarns with Central Strenght member FRP and Ripcord.

The **LP-OC10XX** is family of Fiber optic cables that the industry call an Outside Plant Cable All Dielectric.

Loose tube style, optical fiber cable with FRP central strength member and peripheral Aramid yarns and Black polyethylene sheath suitable for overhead installation as pole-to-pole or pole-to-premises. Tubes contain up to 8 Fibers color coded as per color coding scheme.

A Cable Section



B Product Construction

Fibers:

- 2-24 fibers.
- Loose tube gel-filled.
- Color-coding per TIA/EIA 598 B.

Central Strength Member

- FRP (Fibre Reinforced Plastic) a rod made of Epoxy/glass.

Overall Streght

- Layer of Aramid yarns polyethylene (PE).

Inner Jacket

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

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

Designation	Max. Number of fibers per tube	FRP diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
3KN	4	2.3	6	12.5	121
4KN	4	2.3	6	12.5	123
6KN	4	2.3	6	12.5	126

D Mechanical & Environmental Characteristics

Fibers	2-24 fibers
Tensile Strength	As per designation
Crush Resistance	2200N/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-OC1012CCC4FFS

LP-OC10		12	
All dielectric Self Supporting Optical Cable for long span, greather than 150m, with Loose Tubes, Double PE Jacket, peripheral Aramid® yarns with Central Strenght member FRP and Ripcord		Jacket Suffix: Dry water block and Ripcord	
CCC	4	FF	S
Fiber Count: 002 - 024	Buffer Construction: Multi-fiber loose Tube (Gel- Filled)	Fiber Type: Any core of the above List	Span: Greather than 150 m

Examples:

LP-OC10120084QL175	All dielectric self supporting Optical Cable for 175m span, with 8 multimode OM1 62.5/125-IEC 60793-2-10 type A1B fibers, Loose Tubes, Double PE Jacket, peripheral Aramid® yarns with Central Strenght member FRP and Ripcord.
LP-OC10120084ZC200	All dielectric self supporting Optical Cable for 200m span, with 8 singlemode G.652.D, 9/125, full spectrum, low water peak fibers, Loose Tubes, Double PE Jacket, peripheral Aramid® yarns with Central Strenght member FRP and Ripcord.

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