LP-OC22XX Fiber Optical Cable with central Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member, bonded steel tape, water blocking tape and Ripcord

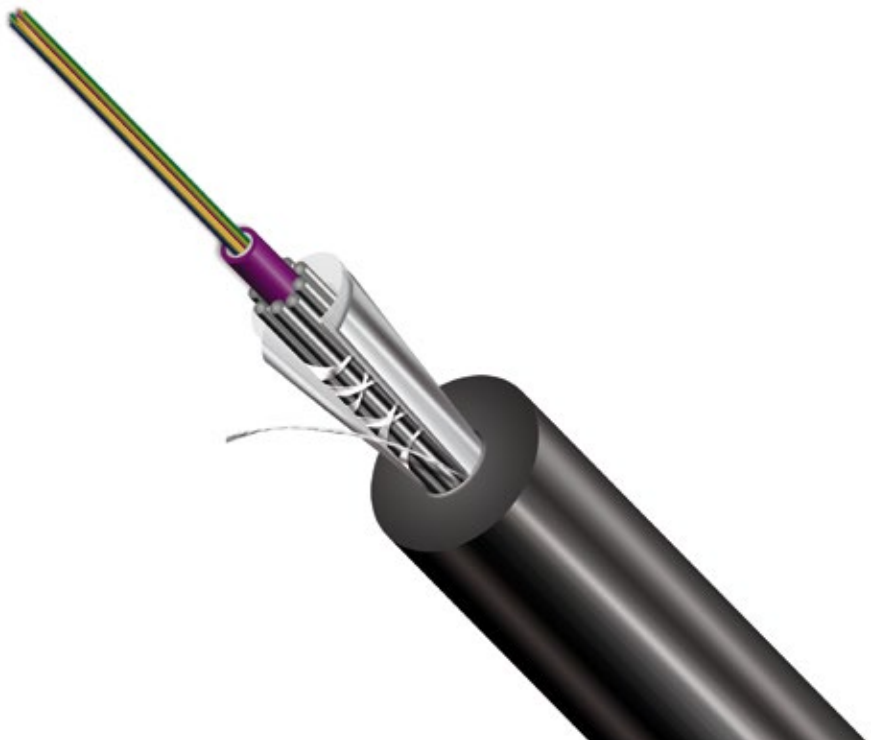
LPOC22XX_PFD_ENB01W

Features

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

Applications

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

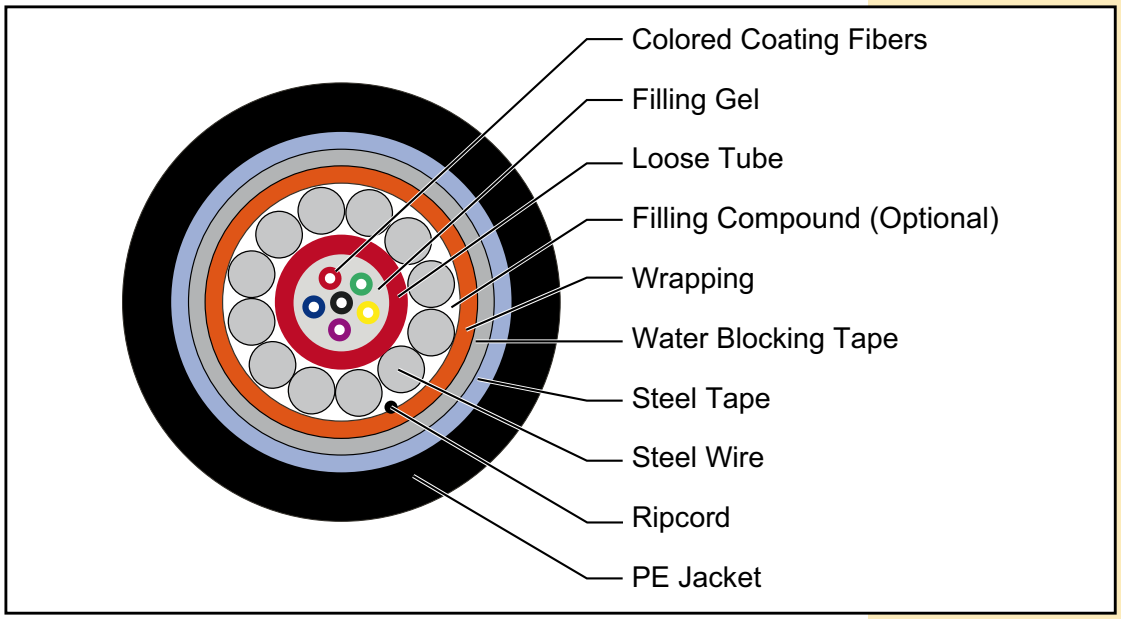


LP-OC22XX
Fiber Optical Cable with central Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member, bonded steel tape, water blocking tape and Ripcord

The **LP-OC22XX** 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, bonded steel tape, waterproof tape wrapping 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 and 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	Steel Wire Nominal	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
02-12	1.0 mm x 12	10.6	170

D Mechanical & Environmental Characteristics

Characteristics	
Tensile Strenght	3000 N
Crush Resistance	3000N/100mm
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 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-OC2212CCC4FF

LP-OC22		12
Loose Tubes, Single PE Jacket, layer of galvanized steel wires strength member, bonded steel tape, water blocking tape and Ripcord		**Jacket Suffix:** Dry Water Block with Ripcord
CCC	**4**	**FF**
Fiber Count: 002 - 012	**Buffer Construction:** Multi-fiber loose Tube (Gel-Filled).	**Fiber Type:** Any core of the above List

Examples:

LP-OC22120084QL	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, bonded steel tape, water blocking tape and Ripcord.
LP-OC22120084ZC	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, bonded steel tape, water blocking tape and Ripcord.