

LP-OC34XX All dielectric Flat Drop Mini LT Fiber Optical Cable with Loose tube fibers, Single PE Jacket, self supporting, Two Strength members FRP

LPOC34XX_PFD_ENB01W

Features

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission properties.
- Simple structure, light weight, high tensile strength.
- With four (4), eight (8) or twelve (12) Fibers.
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber.



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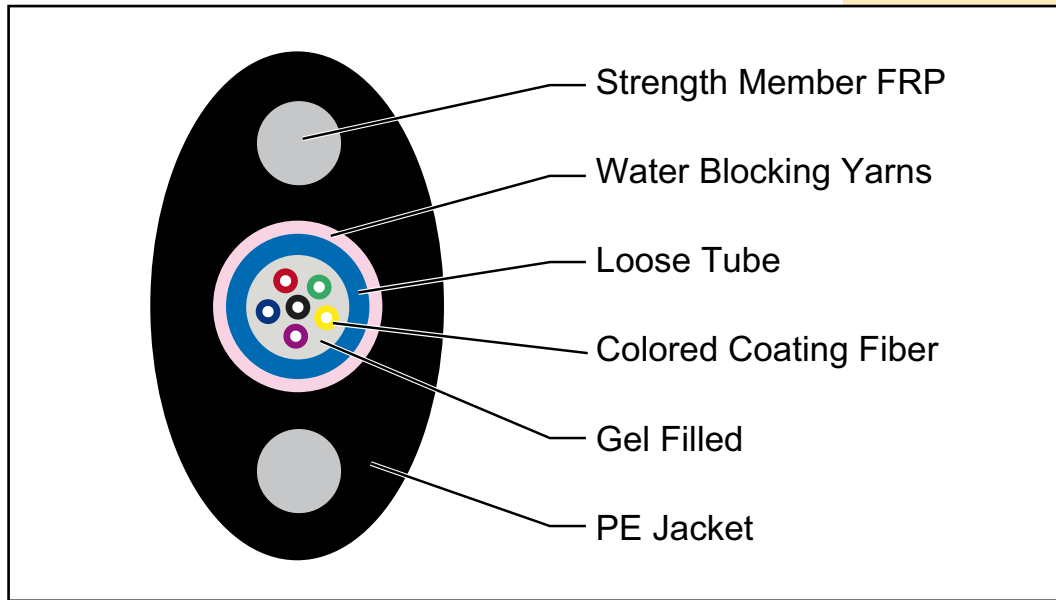
The **LP-OC34XX** is a family of fiber optic cables designed for Fiber-To-The-Home premises, Aerial Outdoor environment applications.

The optical fibers are placed inside a protective Loose Tube filled with Gel for water blocking and surrounded additionally with water blocking yarns.

Two FRP strength members are placed at the sides and covered with weather resistant PE jacket.

The number of fibers can be 4 or 8 or 12 of the multimode or singlemode type as per customer requirements from our large selection of cores made by Corning®.

A Cable Section



B Cable Parameters

ITEMS			SPECIFICATIONS
Colored Coating Fiber	Dimension		250 μm ±15μm
	Fiber Count	4	Blue, Orange, Green, Brown.
		8	Blue, Orange, Green, Brown Grey, Natural, Red, Black
		12	Blue, Orange, Green, Brown, Grey, Natural, Red, Black, Yellow, Purple, Pink, Aqua.
Loose Tube	Dimension		2.0 mm ±0.05 mm
	Material		PBT
	Color		Natural
Strength Member	Diameter		1.5 mm
	Material		FRP
Jacket	Cable Width (mm)		8.5 ± 0.5 mm
	Cable Thickness (mm)		5.5±0.5 mm
	Cable Weight (kg/km)		45.0
	Material		PE
	Color		Black

C Mechanical and Environmental Characteristics

ITEMS	UNITE	SPECIFICATIONS
Tension (Long Term)	N	600 (135 pounds)
Tension (Short Term)	N	1500 (337 pounds)
Crush (Long Term)	N/10 cm	300
Crush (Short Term)	N/10 cm	1000
Min. Bending Radius (Dynamic)	mm	20D
Min. Bending Radius (Static)	mm	10D
Installation Temperature	°C	-20 to +60
Operating Temperature	°C	-40 to +70
Storage Temperature	°C	-40 to +70

D 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	

D 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	

E How to Order

LP-OC3414CCC4FF

LP-OC34		14
All dielectric Flat Drop Mini LT Fiber Optical Cable with Loose tube fibers, Single PE Jacket, self supporting, Two Strength members FRP		Jacket Suffix Black Jacket (UV Resistant)
CCC	4	FF
Fiber count: 004 - 012	Buffer Construction Multi-fiber loose Tube (Gel-Filled).	Fiber Type Any core of the above list

Examples:

LP-OC34140044ZC	All dielectric Flat Drop Mini LT Fiber Optical Cable with 4 singlemode 9/125, Full spectrum, low water peak ITU-T G.625.D/B1.3 Loose tube fibers, Single PE Jacket, self supporting, Two Strength members FRP
LP-OC34140084ZC	All dielectric Flat Drop Mini LT Fiber Optical Cable with 8 singlemode 9/125, Full spectrum, low water peak ITU-T G.625.D/B1.3 Loose tube fibers, Single PE Jacket, self supporting, Two Strength members FRP

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