

LP-OC51XX All Dielectric Self Supporting Optical Cable for up to 75m span with Loose tubes and single PE jacket, Central Strength member FRP and peripheral Aramid® yarns, dry water block tape and Ripcord.

LPOC51XX_PFD_ENB01W

Features:

- 4-144 Fibers.
- All Dielectric Self Supporting Optical Cable for up to 75m span.
- Outdoor usage.
- Single PE Jacket.
- Aramid® Yarns for Protection
- FRP Strength Member.
- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Dry Water Block tape with ripcord.

Applications:

- Interbuilding voice or data communication backbones.
- Campus LAN, (CAN).
- Designed for rough conditions.
- Outside Plant usage.
- Usable lashed Aerial, ducted or direct burial.
- Junction type Communication Systems.
- Subscriber network systems.
- Local area network systems.
- Usable on long-haul applications.
- Light ADSS Type.

Halo™



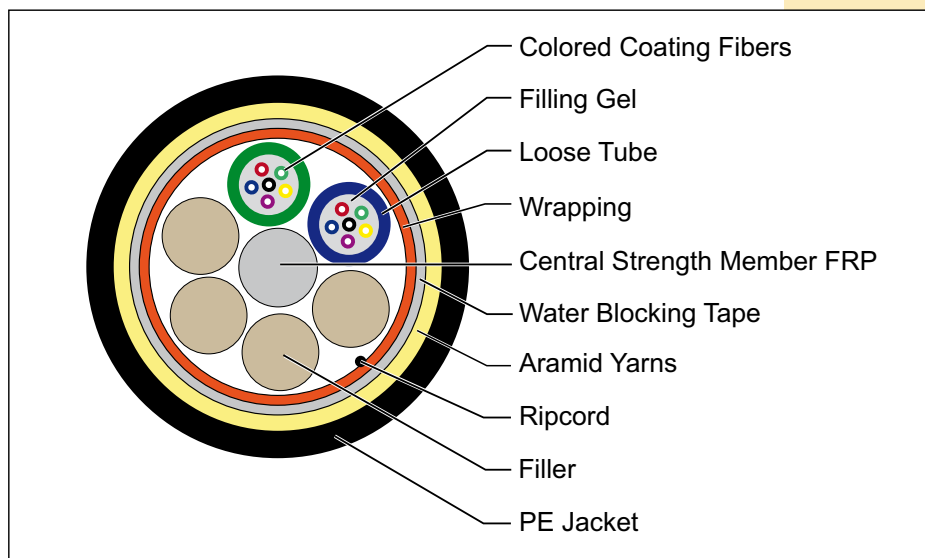
LP-OC51XX

All Dielectric Self Supporting Optical Cable for up to 75m span with Loose tubes and single PE jacket, Central Strength member FRP and peripheral Aramid® yarns, dry water block tape and Ripcord.

The **LP-OC51XX** Series of Outdoor Fiber Optic Cables with Multi-Fiber Gel Filled Loose Tubes and Single PE Black Color Jacket comes with an FRP Central Strength Member and Peripheral Aramid® Yarns for strength, Dry Water Block Tape with Ripcord, from 4 to 144 Fibers are what the industry calls Outside Plant Cables, for underground conduits or ducts or in aerial/lashed deployment for Outdoor applications of the light ADSS Type.

The tubes contain up to 12 optical fibers and summing up from 4 to 144 in total, color coded as per color coding scheme.

A Cable Section



B Product Construction

Fiber:

- 4 – 144 Fibers.
- Loose tube gel-filled for moisture protection.
- Color-coding per TIA/EIA 598 B.

Central Strength Member:

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

Peripheral strength:

- Aramid® yarns for protection.

Water Blocking:

- Water blocking tape.

Jacket:

- Black UV- and moisture-resistant polyethylene (PE).
- Sequential meter markings standard/ Footage optional.

Compliances: • ANSI/TIA/EIA 568 B.3

- Meets FOTP EIA-455-3
- Meets or exceeds Telcordia GR-20
- RoHS Compliant Directive 2002/95/EC
- INTL. CERTIFICATIONS:
- CANADA UL: DUXR7.E329019L, DUXR7.E329018
- USA UL: DUXR. E329018, DUXR.E329019

C Mechanical and Environmental Characteristics

CHARACTERISTIC	DESCRIPTION
Fiber Count	4-144 Fibers
Tension Long Term	600 N
Tensile Strength	1500 N
Crush long Term	300 N/10cm
Crush Short Term	1000 N/10cm
MINIMUM BENDING RADIUS	
During Installation	20 x Diameter
After Installation	10 x Diameter
TEMPERATURE RANGE	
Storage	- 40 °C to +70 °C
Operating	- 40 °C to +70 °C
Installation	- 30 °C to +70 °C

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

D List of Fibers

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
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	
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	

Note: SMF-28e+ is a trademark and Corning, LEAF, InfiniCor and Plus Corning Optical Fiber are registered trademarks of Corning Incorporated, Corning, NY, U.S.A.

E Sizes/Weight

No. of Fibers	Unid	4	6	8	12	24	48	72	96	144
Design		1 x 4	1 x 6	2 x 4	3 x 4	6 x 4	4 x 12	6 x 12	8 x 12	12 x 12
FRP Diameter	mm	2.0							2.3 to 4.0	2.3 to 6.6
Tube Diameter	mm	2					2.3			
Sheath Thickness	mm	3.0								
Number of Fillers		5	5	4	3	0				
Cable Diameter	mm	10.0							12.5	15.2
Cable weight	Kg/Km	80.0							128.0	195.0

G How to Order

LP-OC5112CCC4FF

LP-OC51		12
Outdoor Loose Tube Single PE Jacket Fiber Optic Cable, with FRP Central Strength Member and peripheral Aramid® yarns for strength		Jacket Suffix: Dry Water Block Tape with Ripcord
CCC	4	FF
Fiber Count: 4-144	Buffer Construction: Multi-fiber loose Tube (Gel-Filled)	Fiber Type: Any core of the above List

Examples:

LP-OC51120064QL	Outdoor multi-fiber gel filled Loose Tube Single PE Jacket Fiber Optic Cable, with FRP Central Strength Member and peripheral aramid yarns for strength, Dry water block with rip cord, 6 fibers Multi Mode OM1 62.5/125 1 Gb/s over 500m at 850 nm, 1 Gb/s over 1000 m at 1300 nm black color jacket.
LP-OC51120064ZC	Outdoor Loose Tube Single PE Jacket Fiber Optic Cable, with FRP Central Strength Member and peripheral aramid yarns for strength dry water block with rip cord, 6 Single Mode Full spectrum low water peak 900um ITU-T G.652.D B1.3 9/125 fibers black color jacket.
LP-OC51120124TP	All dielectric self supporting Fiber Optical Cable for up to 75m span with Loose Tubes and Single PE Jacket, with Central Strength Member FRP, Peripheral Aramid® Yarns, Dry Water Blocking Tape, 12 multimode, OM3 Ultra-flexible 50µm fibers and Ripcord.