LP-OC52XX
Fiber Optical Cable with Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Dry water Blocking tape and Ripcord

LPOC52XX_PFD_ENB01W

Applications:

- Interbuilding voice or data communication backbones.
- Campus Lan, (CAN).
- Designed for rough conditions.
- Outdoor applications.
- Usable lashed Aerial, ducted or direct burial.
- Junction type Communicaction Systems.
- Subscriber network systems.
- Local area network systems.
- Usable on long-haul applications.
- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Termite and rodent resistant construction.
- Dry Water Blocking tape with Ripcord.
- MDPE Jacket under request.

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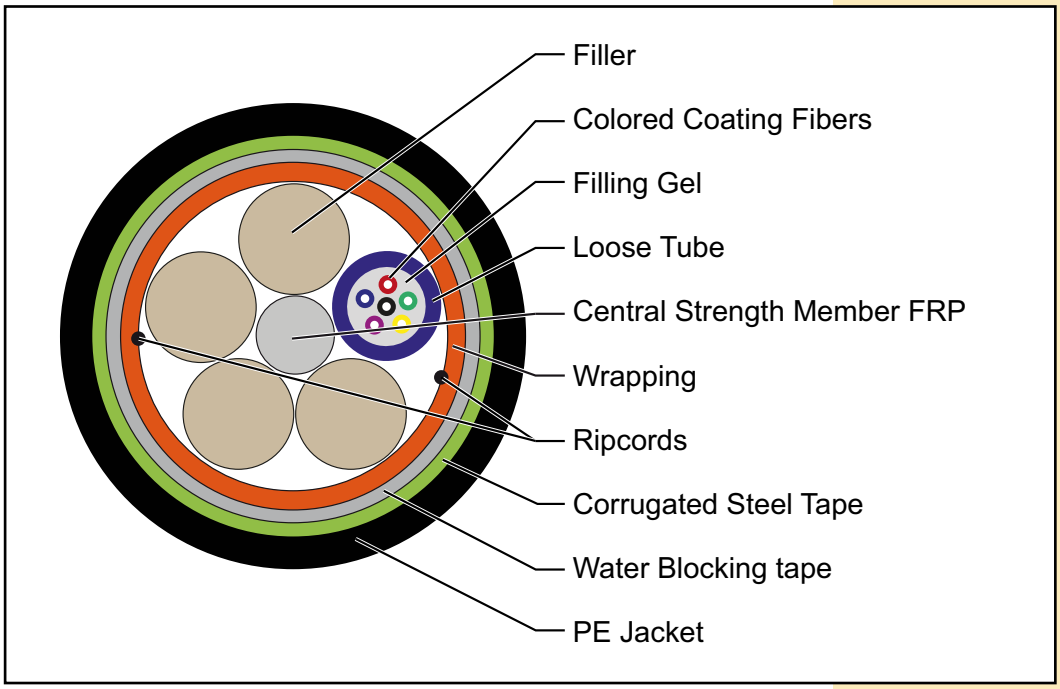
The **LP-OC52XX** is a family of Fiber Optic Cables that the industry calls an Outside Plant Cable, with corrugated steel tape armored for underground conduits, ducts or in aerial/lashed deployment, for outdoor applications.

Loose tube style, optical fiber cable light armored with corrugated steel tape, with non-metallic central strength member of FRP and dry water blocking tape with ripcord. The cable is protected by a black colored PE oversheath. The tubes contain optical single-mode or multimode fibers color coded as per color coding scheme embedded in gel.

A Cable Section



B Product construction:

Fiber Count:
- 002 - 072 fibers.
- 096-144 fiber, under request and special fetures adding.
- Color-coding per TIA/EIA 598 B.

Central Strength Member:
- FRP (Fibre Reinforced Plastic) (A rod made of Epoxy/glass).

Water Blocking:
- Dry Water Block tape with Ripcord.

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

Armor:
- Laminated Corrugated Steel Tape.

C Compliances:

- ANSI/TIA/EIA 568 D ISO/IEC 11801
- 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

D Dimensional Characteristics:

Fiber Count	Max. Number of fibers per tube	FRP diameter (mm)	Stranded Units	Nominal Cable Diameter (mm)	Nominal Cable Weight (Kg/Km)
2-36	6	1.5	6	10.5	130
38-72	12	2.8	6	13.1	172

E Mechanical and Environmental Characteristics:

Characteristic	Description
Fiber Count	2-72
Tensile Strength	≤2700N
Crush Resistance	1000 N/100 mm
Minimum Bending Radius	
During Installation	20 x Diameter
After Installation	10 x Diameter
Temperature range	
Storage	- 40 ºC to + 70 ºC
Operating	- 40 ºC to + 70 ºC
Installation	- 30 ºC to + 70 ºC

F List of fiber Cores:

FIBER TYPE	LANPRO	DESCRIPTION	COD MFGR
Standard Loose Tube SM	ZC	Full spectrum, low water peak singlemode, ITU-T G.652.D	**B1.3 (G652D) P**
Performance Loose Tube SM	ZB	Full spectrum, high performance low water peak singlemode with 0.35/0.25 attenuation, ITU-T G.652. D	
Tight Buffer SM	ZE	Full spectrum, low water peak singlemode with 900 µm PVC buffer, ITU-T G.652.D	
Long-Haul SM	ZG	Large Aeff, low water peak, NZ-DSF singlemode, ITU-T G.655	
Ultra-Bendable SM A3/B3	ZA	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	Full spectrum with best macrobending performance, ITU-T G.657.A2/B2	Full spectrum bend-insensitive single mode fiber with low bend loss

F List of fiber Cores:

FIBER TYPE	LANPRO	DESCRIPTION	COD MFGR
Ultra-Bendable SM A1/B1	ZF	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	1 Gb/s ≤ 300 m a 850 nm, OM1* 1 Gb/s ≤ 550 m a 1300 nm	
62.5 µm MM OM1	QL	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	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	10 Gb/s ≤ 300 m a 850 nm, OM3* 1 Gb/s ≤ 1000 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TG	10 Gb/s ≤ 550 m a 850 nm, OM4* 1 Gb/s ≤ 1100 m a 850 nm	
Ultra-bendable 50 µm MM OM4	TI	10 Gb/s ≤ 600 m a 850 nm, OM4+* 1 Gb/s ≤ 1100 m a 850 nm	

G How to Order:

LP-OC5212CCC4FF

LP-OC52		12
Fiber Optical Cable with Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Dry water Blocking tape and Ripcord		**Jacket Suffix:** Dry Water Block with Ripcord
CCC	**4**	**FF**
Fiber Count: 002-072.	**Buffer Construction:** Multi-fiber loose Tube (Gel- Filled)	**Fiber Type:** Any core of the above List

Examples:

LP-OC52120064TP	Fiber Optical Cable with 6 multimode OM3 ClearCurve® 50/125 fibers, Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Dry water Blocking tape and Ripcord.
LP-OC52120124TP	Fiber Optical Cable with 12 multimode OM3 ClearCurve® 50/125 fibers, Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Dry water Blocking tape and Ripcord.