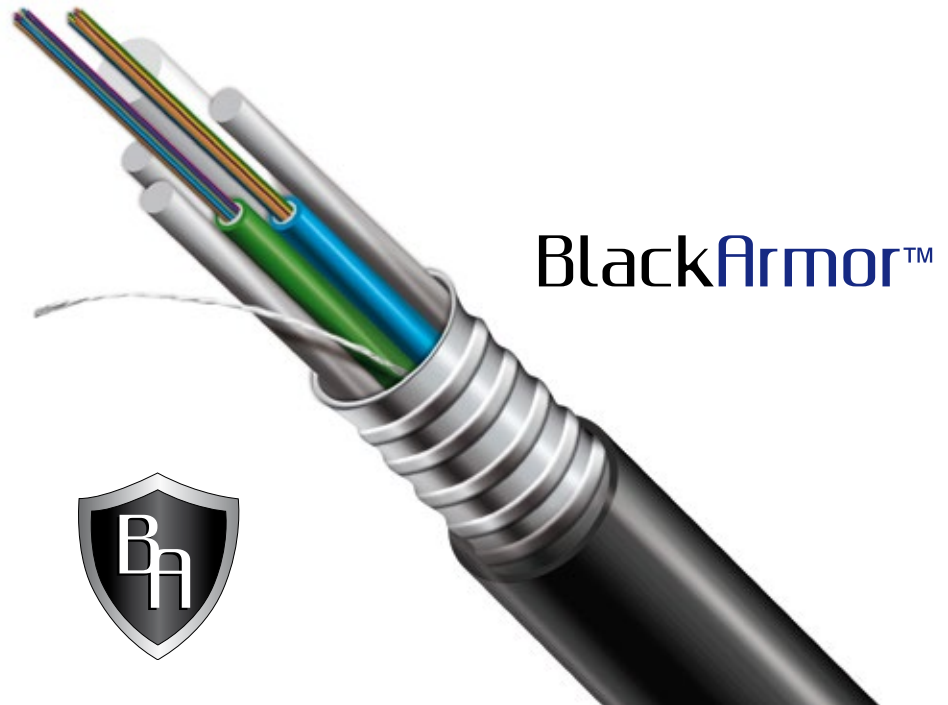


LP-OC53XX Fiber Optical Cable with Loose tubes, Single PE Jacket corrugated Steel tape, central strength member FRP, gel water block and ripcord

LPOC53XX_PFD_ENB01W

Features:

- Interbuilding voice or data communication backbones.
- Campus Lan, (CAN).
- Designed for rough conditions.
- Outdoor applications.
- Usable lashed Aerial, ducted or direct burial.
- Junction type Communication 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.
- Gel Water Block with Ripcord.



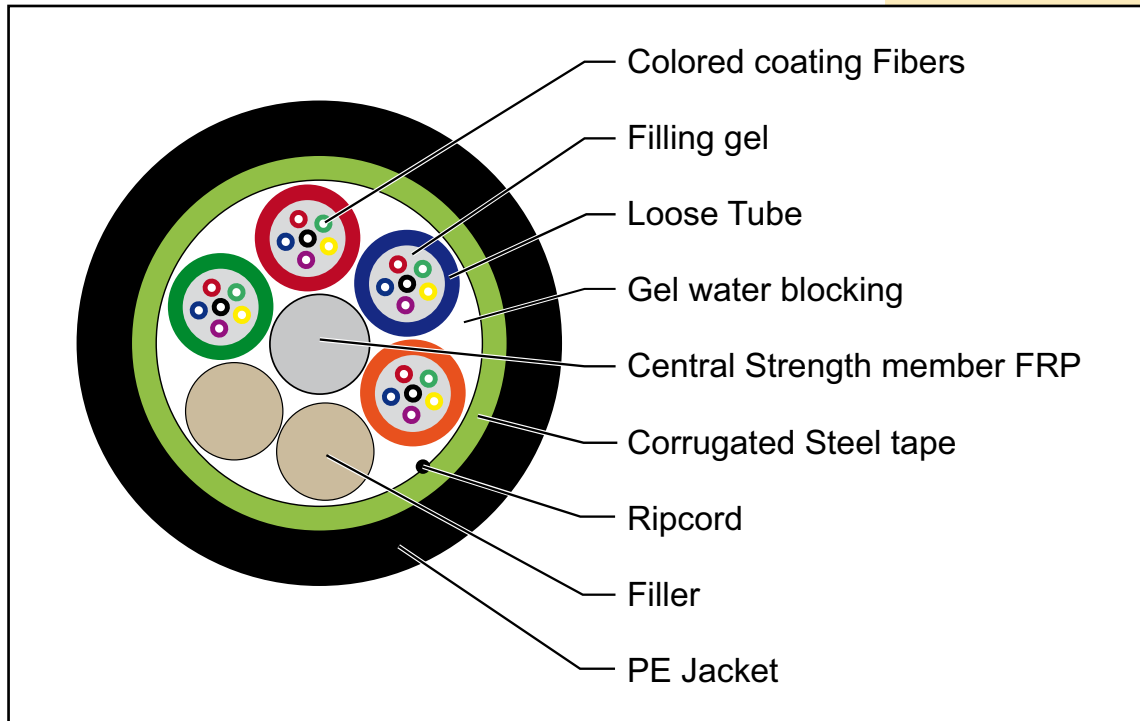
**LP-OC53XX
Fiber Optical Cable with Loose tubes, Single PE Jacket
corrugated Steel tape, central strength member FRP,
gel water block and ripcord**

The **LP-OC53XX** 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 gel water block with ripcord. The cable is protected by a black colored PE oversheath.

The tubes contain optical singlemode or multimode fibers color coded as per color coding scheme embedded in gel.

A Cable Section



B Product Construction

Fiber Count:

- 002 - 084 fibers.
- Color-coding per TIA/EIA 598 B.

Central Strength Member:

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

Water Blocking:

- Gel Water Block 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 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

D Dimensional Characteristics:

DIMENSIONS OF CABLE CONSTRUCTION												
ITEMS		DESCRIPTION										
Optical Fiber		OPTICAL FIBRE ITU-T G652D / G655D / OM1 / OM2 / OM3 / OM4										
		Max. 6 fiber per tube						Max. 12 fiber per tube				
Fiber Count		2~6	8~12	14~18	20~24	26~30	32~36	38~42	44~48	50~60	62~72	74~84
Central strength member	Material	FRP										
	Diameter	2.8mm										
Loose Tubes	Material	PBT										
	Diameter	Nom: 1.9mm						Nom: 2.8mm				
	Numbers	1	2	3	4	5	6	7	4	5	6	7
Filler	Material	PP										
	Numbers	6	5	4	3	2	1	0	3	2	1	0
Armor	Material	Corrugated Steel tape										
Ripcord	Count	1										
Outer sheath	Material	HDPE										
	Thickness	Average 1.6mm										
CABLE DESCRIPTION												
Tensile Strength (IEC60794-1)	Long Term	600 N										
	Short Term	1500N										
Crush Resistance (IEC60794-1)	Long Term	300 N/100mm										
	Short Term	1000 N/100mm										
Operating temperature		-40°C a +70°C										
Storage temperature		-40°C a +70°C										
Bending Radius		Static 10×Dia.										
		Dynamic 20×Dia.										
Cable Diameter		Aprox. 11.0 mm						Aprox. 11.5 mm				
Cable Weight		Aprox. 107 kg/km						Aprox. 143 kg/km				

Attenuation		
G652	≤ 0.36 dB/km @1310nm	≤ 0.22 dB/km @1550nm
G655	≤ 0.40 dB/km @1310nm	≤ 0.23 dB/km @1550nm
50/125	≤ 3.3 dB/km @ 850nm	≤ 1.2 dB/km @1300nm
62.5/125	≤ 3.5 dB/km @ 850nm	≤ 1.2 dB/km @1300nm
Band width		
50/125	≥ 500 MHz•km @850nm	≥ 500 MHz•km @1300nm
62.5/125	≥ 200 MHz•km @850nm	≥ 500 MHz•km @1300nm

E List of fiber Cores

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	
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

FIBER TYPE	LANPRO	CORNING® OPTICAL FIBER	DESCRIPTION	COD MFGR
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-OC5301CCC4FF

LP-OC53		01
Fiber Optical Cable with Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Gel water Block and Ripcord		Jacket Suffix: Gel water block with ripcord
CCC	4	FF
Fiber Count: 002-084	Buffer Construction: Multi-fiber loose Tube (Gel- Filled)	Fiber Type: Any core of the above List

Examples:

LP-OC53010064TP	Fiber Optical Cable with 6 multimode OM3 50/125 fibers, Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Gel water Block and Ripcord.
LP-OC53010124ZC	Fiber Optical Cable with 12 Full spectrum, low water peak singlemode, ITU-T G.652.D fibers, Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Gel water block and Ripcord.