

**LP-OC50120064TP Fiber Optical Cable with 6 fibers multimode OM3 ClearCurve® Ultra-bendable 50/125, Loose Tubes and single PE jacket, corrugated steel tape, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking tape and Ripcord.**

LPOC50120064TP\_SS\_ENB01W

### Applications

- Interbuilding voice or data communication backbones.
- Campus Lan.
- Designed for rough conditions.
- Outdoor applications.
- Usable lashed Aerial, ducted or direct burial.
- Subscriber network systems.
- Local area network systems.

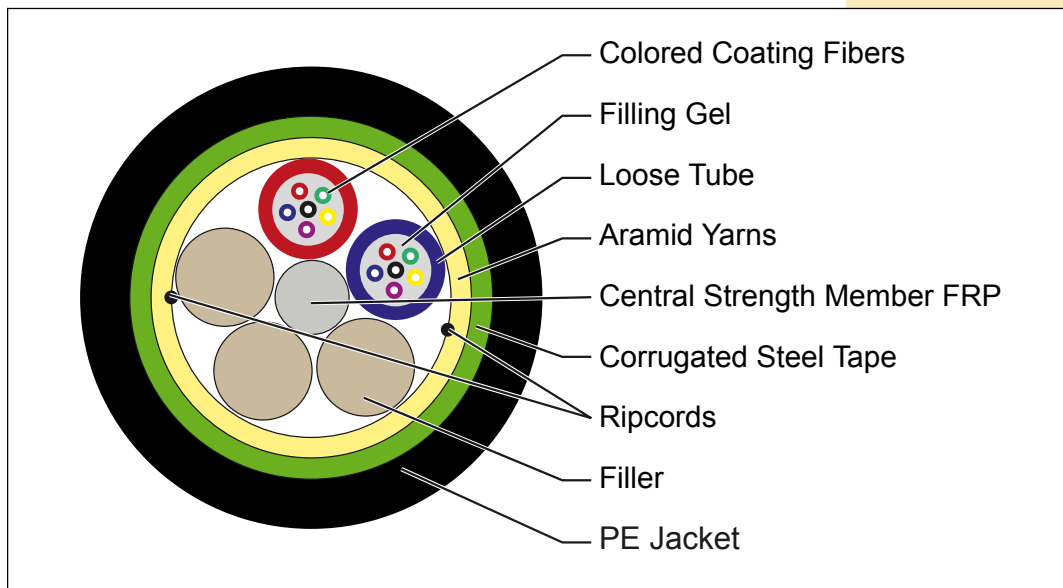


**LP-OC50120064TP  
Fiber Optical Cable with 6 fibers multimode OM3  
ClearCurve® Ultra-bendable 50/125, Loose Tubes and  
single PE jacket, corrugated steel tape, central strength  
member FRP, Peripheral Aramid® yarns, Dry Water  
Blocking tape and ripcord.**

The **LP-OC50120064TP** Fiber optical cable for Outdoor use, with 6 fibers multimode OM3 ClearCurve® Ultra-bendable 50/125, Loose Tubes Single PE Jacket, Corrugated steel tape armored with FRP Central strength member and peripheral Aramid® yarns for strength, dry water block with rip cord, is that the industry calls an Outside Plant Cable, for underground conduits or ducts or in aerial/lashed deployment for Outdoor applications.

The tubes contain six (6) optical OM3 multimode fibers color coded as per color coding scheme.

## A Cable Section



## B Product Construction

### Fiber:

- 6 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 with Ripcord.

### Jacket:

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

### Armor:

- Laminated Corrugated Steel Tape.

### Features:

- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Dry Water Stop Blocking technology cable core for ease of handling.

### 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 Fiber Parameters

ITEM	DESCRIPTION		UNIT	VALUE
				50/125 $\mu$ m
1	LanPro Type		TP	
2	Core Diameter		$\mu$ m	50.0 $\pm$ 2.5
3	Cladding Diameter		$\mu$ m	124.8 $\pm$ 1.0
4	Cladding Non-circularity		%	$\leq$ 1.0
5	Coating Diameter		$\mu$ m	$\leq$ 1.5
6	Coating Non-Circularity		$\mu$ m	245 $\pm$ 7
7	Coating Diameter		%	$\leq$ 6.0
8	Cladding-Coating Concentricity Error		$\mu$ m	$\leq$ 12.0
9	Bandwidth (min)	850 nm	MHz $\times$ Km	600
		1300 nm	MHz $\times$ Km	1200
10	Attenuation Coefficient	850 nm	dB/Km	$\leq$ 3.0
		1300 nm	dB/Km	$\leq$ 1.0

### D Cable Parameters

ITEM		SPECIFICATIONS
Fiber Count		6
Colored Coating Fiber	Dimension	1500
Loose tube	Dimension	2.15 nm $\pm$ 0.05 nm
	Material	PBT
	Color	Blue
Filler	Dimension	1.9 $\pm$ 0.1 mm
	Material	PP
	Color	Red
Central Strength Member	Dimension	1.5 mm
	Material	FRP
Armor	Corrugated steel tape	
Outer Jacket	Dimension	10.5 $\pm$ 0.3 mm
	Weight	130.0 $\pm$ 5 Kg/Km
	Material	PE
	Color	Black

## E Mechanical and Environmental Characteristics

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

## F How to Order

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