LP-OC50120064BI Fiber Optical Cable with 6 fibers multimode OM2 10 Gb/s≤150m to 850 nm, 1 Gb/s≤ 750m to 850 nm 50/125, Loose Tubes and single PE jacket, corrugated steel tape, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking tape and Ripcord.

LPOC50120064BI_SS_ENB01W

Applications

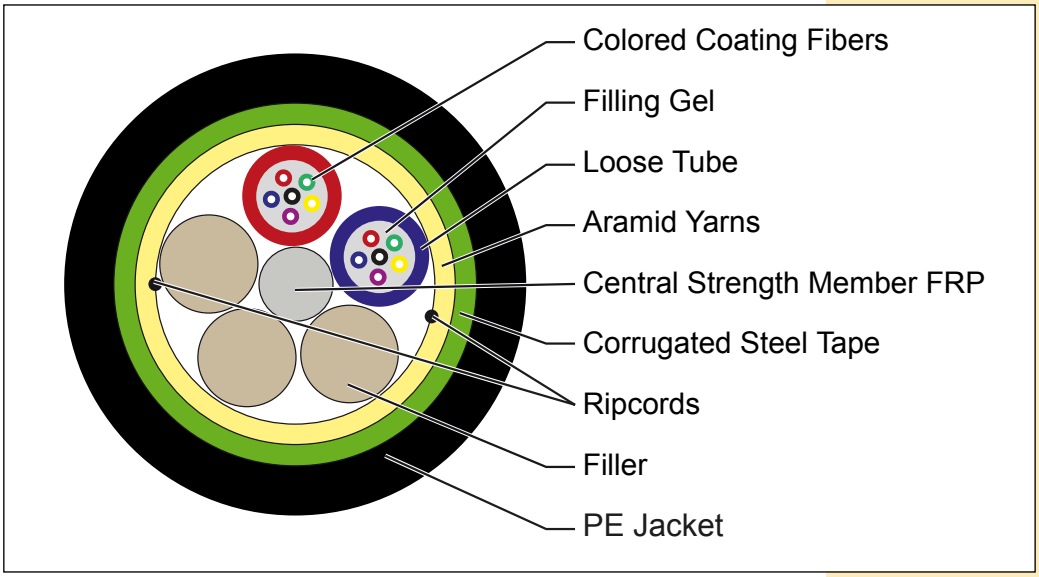
- Interbuilding voice or data communication backbones.
- Campus Lan.
- Designed for rough conditions.
- Outdoor applications.
- Usable lashed Aerial, ducted or direct burial.
- Subscriber network systems.
- Local area network systems.

LP-OC50120064BI
Fiber Optical Cable with 6 fibers multimode OM2 10 Gb/s≤150m to 850 nm, 1 Gb/s≤ 750m to 850 nm 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-OC50120064BI** fiber optical cable for Outdoor use, with 6 fibers multimode OM2 (10 Gb/s ≤ 150 m a 850 nm, 1 Gb/≤750 m a 850 nm de 50/125um), Loose Tubes Single PE Jacket, Corrugated steel tape armored with FRP Central strength member and peripheral Aramid® yarns for strength, dry water block with Ripcord, 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 OM2 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 µm
1	LanPro Type		BI	
2	Core Diameter		µm	50.0 ± 2.5
3	Cladding Diameter		µm	124.8 ± 1.0
4	Cladding Non-circularity		%	≤ 1.0
5	Coating Diameter		µm	≤ 1.5
6	Coating Non-Circularity		µm	245 ±7
7	Coating Diameter		%	≤ 6.0
8	Cladding-Coating Concentricity Error		µm	≤ 12.0
9	Bandwidth (min)	850 nm	MHz×Km	600
		1300 nm	MHz×Km	1200
10	Attenuation Coefficient	850 nm	dB/Km	≤ 3.0
		1300 nm	dB/Km	≤ 1.0

D Cable Parameters

ITEM		SPECIFICATIONS
Fiber Count		6
Colored Coating Fiber	Dimension	1500
Loose tube	Dimension	2.15 nm ± 0.05 nm
	Material	PBT
	Color	Blue
Filler	Dimension	1.9 ± 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 ± 0.3 mm
	Weight	130.0 ± 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	ºC	-20 to +60
Operating Temperature	ºC	-40 to +70
Storage Temperature	ºC	-40 to +70

F How to Order

LP-OC50120064BI	**Fiber Optical Cable with 6 fibers multimode OM2 10 Gb/s≤150m to 850 nm, 1 Gb/s≤ 750m to 850 nm 50/125, Loose Tubes and single PE jacket, corrugated steel tape, central strength member FRP, Peripheral Aramid® yarns, Dry Water Blocking tape and ripcord.**