

**LP-OC52120124TG Fiber Optical Cable with Loose Tubes, Single PE Jacket, FRP Central strength member, corrugated steel tape, dry water block tape and ripcord, with 12 multimode fibers OM4 Ultra-flexible 50/125  $\mu$ m**

LPOC52120124TG\_SS\_ENB01W

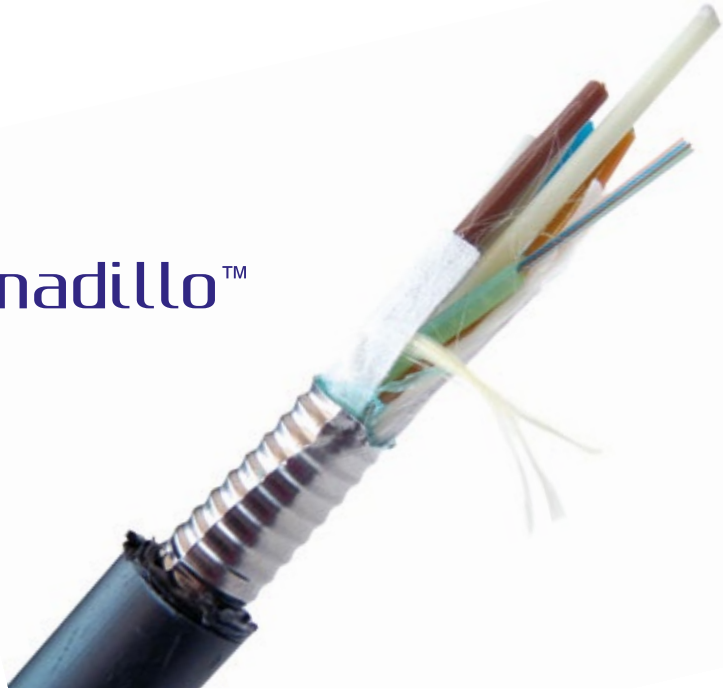
**Features:**

- 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.

**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.

Armadillo™



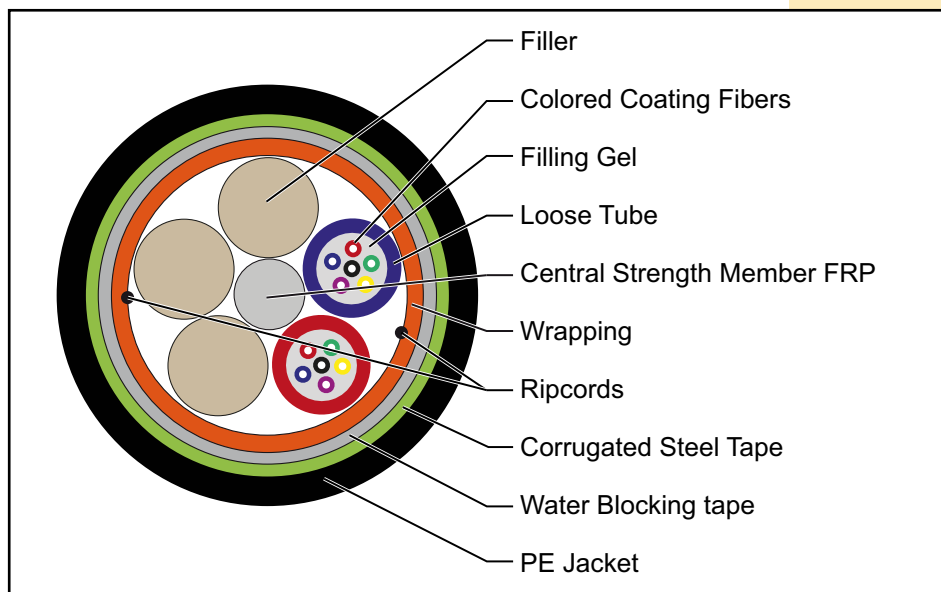
**LP-OC52120124TG  
Fiber Optical Cable with Loose Tubes, Single PE Jacket,  
FRP Central strength member, corrugated steel tape,  
dry water block tape and ripcord, with 12 multimode  
fibers OM4 Ultra-flexible 50/125  $\mu$ m**

The **LP-OC52120124TG** Fiber Optic Cable by LanPro is what the industry calls an Outside Plant Cable, Corrugated Steel Tape armored for underground conduits or 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 over sheath.

The tubes contain twelve (12) multimode fibers OM4 Ultra-flexible 50/125  $\mu$ m color coded fibers. Those fibers offer speeds up to 4700 MHz/km @850nm in high performance mode and 3500 MHz/km in overfill mode. They comply or exceeds ISO/IEC 11801 OM3/OM4 specification and TIA/EIA 492AAAC/492AAAD detail specification.

**A Cable section**



**B Product Construction:**

**Fiber Count:**

- 12 fibers.
- Loose tube gel-filled for moisture protection.
- Color-coding per TIA/EIA 598 B.

**Central Strength Member:**

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

**Water Blocking:**

- Dry Water Block tape with Ripcord.

**External Jacket:**

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

**Armor:**

- Laminated Corrugated Steel Tape.

**C Fiber Parameters:**

No.	ITEMS	UNIT	OM4 SPECIFICATIONS
1	Mode Field Diameter	1310 nm	9.2±0.4
		1550 nm	10.4±0.5
2	Cladding Diameter	µm	124.8±0.7
3	Cladding Non-Circularity	%	≤0.7
4	Core-Cladding Concentricity Error	µm	≤0.5
5	Coating Diameter	µm	245±5
6	Coating Non-Circularity	%	≤6.0
7	Cladding-Coating Concentricity Error	µm	≤12.0
8	Cable Cutoff Wavelength	nm	$\lambda_{cc} \leq 1260$
9	Attenuation (max.)	1310 nm	≤0.36
		1550 nm	≤0.22

**D Cable Parameters:**

ITEMS		SPECIFICATIONS
Fiber Count		12
Colored Coating Fiber	Dimension	250 μm ± 15 μm
	Color	Blue, Orange, Green, Brown
Loose Tube	Dimension	1.95 mm ± 0.05 mm
	Material	PBT
	Color	Blue, Orange, Green
Central Strength Member	Dimension	1.95 ± 0.05 mm
	Material	FRP
Corrugated Steel Tape	Thickness	0.25 mm
Outer Jacket	Material	PE
	Color	Black
Cable	Dimension	10.3 mm ± 0.2 mm
	Weight	130.0 ± 5 kg/km

**E Mechanical and Environmental Characteristics:**

ITEMS	UNIT	SPECIFICATIONS
Tension (Long Term)	N	1000
Tension (Short Term)	N	1500
Crush (Long Term)	N/10 cm	300
Crush (Short Term)	N/10 cm	1000
Min. Bend Radius (Dynamic)	mm	20 x Diameter
Min. Bend Radius (Static)	mm	10 x Diameter
Installation Temperature	°C	-20 ~ +60
Operating Temperature	°C	-40 ~ +70
Storage Temperature	°C	-40 ~ +70

**F How to order:**

**LP-OC52120124TG Fiber Optical Cable with Loose Tubes, Single PE Jacket, FRP Central strength member, corrugated steel tape, dry water block tape and ripcord, with 12 multimode fibers OM4 Ultra-flexible 50/125 μm.**