

LP-OC52120244ZC Fiber Optical Cable with 24 singlemode ITU-T G.652.D B1.3 9/125, full spectrum and low water peak, Loose Tubes, Single PE Jacket, corrugated steel tape, central strength member FRP, Dry water Blocking tape and Ripcord

LPOC52120244ZC_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™



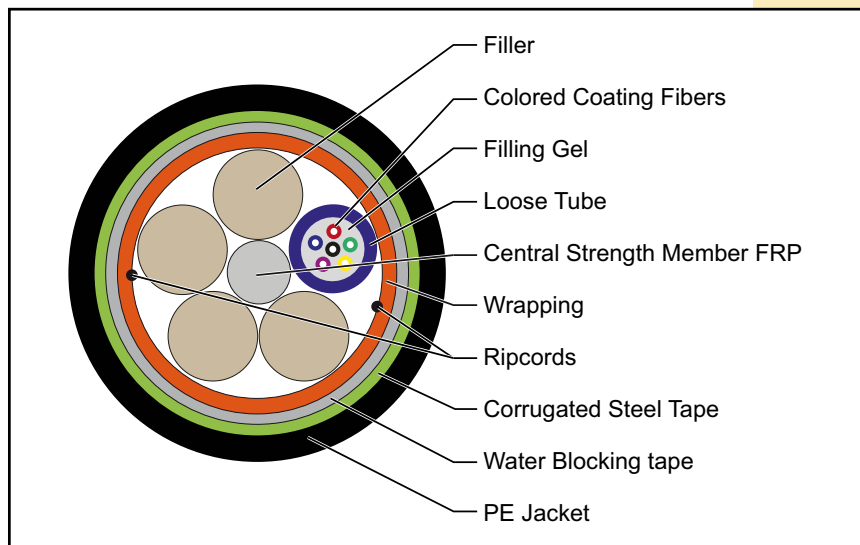
**LP-OC52120244ZC
Fiber Optical Cable with 24 singlemode ITU-T G.652.D
B1.3 9/125, full spectrum and low water peak,
Loose Tubes, Single PE Jacket, corrugated steel tape,
central strength member FRP,
Dry water Blocking tape and Ripcord**

The **LP-OC52120244ZC** 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 twenty four (24) optical Single Mode ITU-T G.652.D fibers color coded as per color coding scheme.

A Cable Section:



B Product Construction:

Fiber Count:

- 24 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).

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	SPECIFICATIONS G.652.D
1	Mode Field Diameter	1310 nm	µm	9.2±0.4
		1550 nm	µm	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	λ _{cc} ≤1260
9	Attenuation (max.)	1310 nm	dB/km	≤0.36
		1550 nm	dB/km	≤0.22

D Cable Parameters:

ITEMS		SPECIFICATIONS
Fiber Count		24
Colored Coating Fiber	Dimension	250 μm \pm 15 μm
	Color	Blue, Orange, Green, Brown, Grey, White, Red
Loose Tube	Dimension	1.95 mm \pm 0.05 mm
	Material	PBT
	Color	Blue, Orange, Green, Brown
Central Strength Member	Diameter	1.95 \pm 0.05 mm
	Material	FRP
Corrugated Steel Tape	Thickness	0.25 mm
Outer Jacket	Material	PE
	Color	Black
Cable	Dimension	10.3 mm \pm 0.2 mm
	Weight	133.0 \pm 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/10cm	300
Crush (Short Term)	N/10cm	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:

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