

LP-OC51120244ZC All dielectric self supporting Fiber Optical Cable for up to 75m span with Loose Tubes and Single PE Jacket, with Central Strength Member FRP, Peripheral Aramid® Yarns, Dry Water Blocking Tape, 24 singlemode, low water peak full spectrum, ITU-T G.652D B1.3 9/125µm fibers and Ripcord.

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Features:

- 24 Fibers.
- Dielectric Construction.
- Outdoor usage.
- Single PE Jacket.
- Aramid® Yarns for Protection.
- FRP Strength Member.
- Loose tube gel-filled construction for superior fiber protection.
- UV- and moisture-resistant design.
- Dry Water Block 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.
- Light ADSS Type.

Halo™



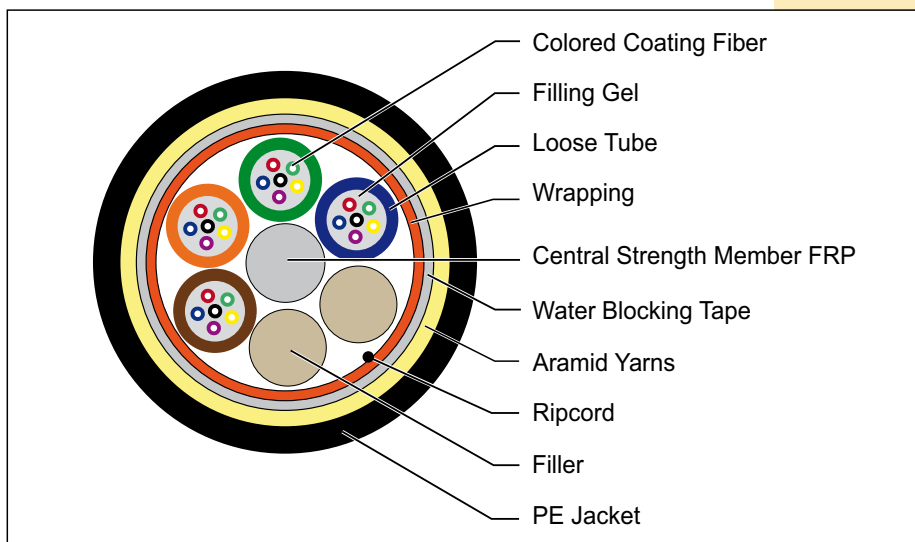
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The **LP-OC51120124ZC** Fiber Optic Cable by LanPro, with Multi-Fiber Gel Filled Loose Tubes and Single PE Black Color Jacket comes with an Central Strength Member FRP and Peripheral Aramid® Yarns for strength, Dry Water Block Tape with Ripcord, with 24 fibers are what the industry calls Outside Plant Cables, for underground conduits or ducts and aerial / lashed deployment for Outdoor applications of the light ADSS Type.

The tubes contain twenty four (24) optical Singlemode, low water peak full spectrum, ITU-T G.652D B1.3 9/125um 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 (Fiber Reinforced Plastic) (A rod made of Epoxy/glass).

PERIPHERAL STRENGTH

- Aramid® yarns for protection.

WATER BLOCKING

- Water Blocking tape.

EXTERNAL JACKET

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

C Fiber Parameters

No.	ITEMS		UNIT	SPECIFICATIONS
				(G.652D)
1	Mode Field Diameter	1310nm	μm	9.2±0.4
		1550nm	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	$\lambda_{cc} \leq 1260$
9	Attenuation (max.)	1310nm	dB/km	≤ 0.4
		1550nm	dB/km	≤ 0.3

D Cable Parameters:

ITEMS		SPECIFICATIONS
Fiber Count		24
Colored Coating Fiber	Dimension	250 mm $\pm$ 15 μ m
	Color	Blue, Orange, Green, Brown, Grey, White
Loose Tube	Dimension	1.9 mm $\pm$ 0.05 mm
	Material	PBT
	Color	Blue, Orange, Green, Brown
Filler	Dimension	1.9mm $\pm$ 0.05mm
	Material	PP
	Color	Natural
Central Strength Member	Diameter	1.5mm
	Material	FRP
Outer Jacket	Material	PE
	Color	Black
Cable	Dimension	10.0mm $\pm$ 0.2mm
	Weight	83.0 $\pm$ 5kg/km

E Mechanical and Environmental Characteristics

ITEMS	UNIT	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	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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