

**LP-OC52120484ZCCST Fiber Optical Cable with 48 singlemode ITU-T G.652.D 9/125, full spectrum and low water peak, Loose Tubes, Single LSZH Jacket, corrugated steel tape, central strength member FRP, Dry water Blocking tape and Ripcord**

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**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™



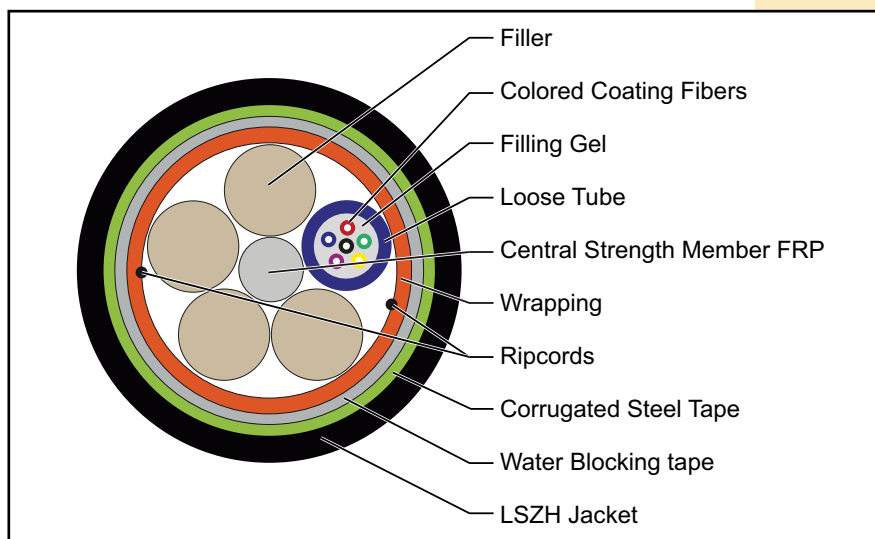
**LP-OC52120484ZCCST  
Fiber Optical Cable with 48 singlemode  
ITU-T G.652.D 9/125, full spectrum and  
low water peak, Loose Tubes, Single LSZH Jacket,  
corrugated steel tape, central strength member FRP,  
Dry water Blocking tape and Ripcord**

The **LP-OC52120484ZCCST** 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 LSZH over sheath.

The tubes contain forty eight (48) optical Single Mode ITU-T G.652.D fibers color coded as per color coding scheme.



**A Cable Section:****B Product Construction:****Fiber Count:**

- 48 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 LSZH jacket.
- 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	$\lambda_{cc} \leq 1260$
9	Attenuation (max.)	1310 nm	dB/km	≤0.36
		1550 nm	dB/km	≤0.22

**D Cable Parameters:**

ITEMS		SPECIFICATIONS
Fiber Count		48
Colored Coating Fiber	Dimension	250 $\mu$ m $\pm$ 15 $\mu$ m
	Color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua
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	LSZH
	Color	Black
Cable	Dimension	10.3 mm $\pm$ 0.2 mm
	Weight	135.0 $\pm$ 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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