

LP-OC10120244ZCAT800 All dielectric self-supporting Optical Cable for 800m span with 24 Singlemode ITU-T G.652D fibers in Gel filled Loose Tubes, protected with Double AT Jacket, Peripheral Aramid® Yarns, FRP Central Strength member and Ripcord

LPOC10120244ZCAT800_SS_ENB01W

Applications:

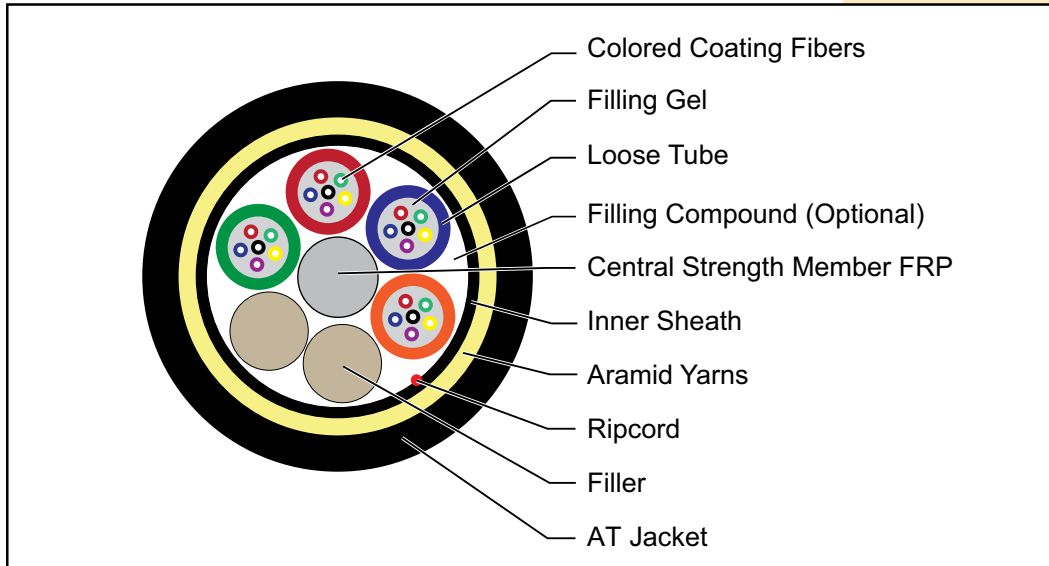
- All dielectric self-supporting Optical Cable for 800m span.
- Subscriber Network Systems.
- Local Area Network Systems.



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The LP-OC10120244ZCAT800 is what the industry calls, all dielectric self-supporting Optical Cable for 800m span with 24 Singlemode ITU-T G.652D fibers in Gel filled Loose Tubes, protected with Double AT Jacket, Peripheral Aramid® Yarns, FRP Central Strength member and Ripcord.

A Cable Section



B Fiber Parameters

ITEM	DESCRIPTION	UNIT	SPECIFICATION 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	λ _{cc} ≤1260
9	Attenuation (max.)	@1310nm	dB/km ≤0.36
		@1550nm	dB/km ≤0.23

C Cable Parameters

ITEMS		SPECIFICATIONS
Fiber Type		G.652D
Fiber Count		24
Span		800m
Cable OD		14.5±0.2mm
Suitable lines		≤44Kv
Cable Weight (kg/km)		178
Colored Coating Fiber	Dimension	250 μm ± 15 μm
	Color	Blue, Orange, Green, Brown, Gray, Natural

C Cable Parameters

ITEMS		SPECIFICATIONS	
Fiber Count		G.652D	
Max. No. of Loose tubes / filler No.	4/2		
Gel filled in Loose tubes	Yes		
Fiber counts in each Loose tubes	6		
Loose Tube	Dimension	2.0 mm	
	Material	PBT	
	Color	Blue, Orange, Green, Brown	
Strength Member	FRP (Fiber Reinforced Plastic)		
Inner Jacket	Thickness	0.8 mm	
	Material	AT	
	Color	Black	
Outer Jacket	Thickness	1.8 ± 0.2mm	
	Material	AT	
	Color	Black	

D Mechanical and Environmental Characteristics

ITEMS		UNIT	SPECIFICATIONS
Rated tensile strength		KN	60.4
Maximum allowable tensile		KN	24.2
Crush Resistance	Installation	N/100mm	2200
	Operating	N/100mm	1100
Min. Bend Radius (Dynamic) mm		mm	20xOD
Min. Bend Radius (Static)		mm	10xOD
Installation Temperature		°C	-40~+70
Operating Temperature		°C	-40~+70
Operating Temperature		°C	-40~+70

E How to Order

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