

# OUTDOOR CABLE/LT

## Aluminum Tape Armored Type

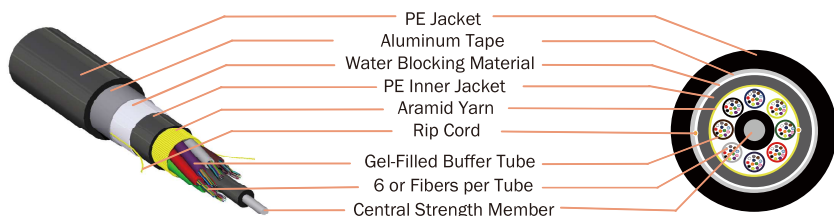
\* Content is subject to change without notice.

# OUTDOOR CABLE/LT

## Product Information

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### Construction



### Description

The LT cable is designed for duct installation. With this design, 6 or 12 optical fibers are placed within color-coded, gel-filled buffer tubes to be protected from mechanical and environmental forces. An aluminum tape is applied lengthwise over the cable core. And then a durable PE jacket completes the cable construction. Maximum fiber counts can be up to 216 fibers.

### Application

- Local area networks
- Outside plant distribution system
- Long haul trunking and feeder
- Duct or direct buried installation
- CATV, CCTV, telecommunication

### Specification

Fiber Count	6 - 36	42 - 48	12 - 72	84 - 96	144 - 216
Fiber Per Tube	6		12		
Central Strength Member	Steel Wire Coating PE				
Inside Loose Tube	Filling Compound				
Wrapping	Water Blocking Material				
Sheath	Black PE				
Cable Diameter: mm(approx)	15	16.2	18	22.8	
Cable Weight: kg/km(approx)	190	240	220	260	460
Maximum Tensile Strength	2700 N				
Min. Bend Radius	Loaded:	20 times of cable diameter			
	Unloaded:	10 times of cable diameter			

### Features and Benefits

- Gel-filled buffer tube design
- SZ tube stranding for fiber easy mid-span entry
- Excellent optical, mechanical and environmental characteristics
- Color coded tube for correct multi-fiber identification and use
- Compliant with EIA, IEC and Telcordia standards

### Color Code

Single Layer	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Double Layers	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua						

\* Color arrangement would be changed to meet customers' requests.

### Fiber Specification

Fiber Attenuation	Singlemode	1310nm ≤ 0.4 dB/km	PMD	< 0.2 ps/km <sup>1/2</sup>	
		1550nm ≤ 0.3 dB/km		Mode-Field Diameter (SM) G.652D	1310nm: 9.0 ~ 9.4 μm, ± 0.4 μm
Multimode		850nm ≤ 3.5 dB/km		1550nm: 10.0 ~ 10.7 μm ± 0.7 μm	
		1300nm ≤ 1.0 dB/km	G.657A	1310 nm: 8.6 ~ 9.4 μm, ± 0.4 μm	
Bandwidth(MM)	OM2-50/125	850nm ≥ 500 MHz-km	Multimode Core	50	50 μm ± 3 μm
		1300nm ≥ 500 MHz-km		62.5	62.5 μm ± 3 μm
OM3-50/125		850nm ≥ 1500 MHz-km	Cladding Diameter	125 μm ± 1 μm	
		1300nm ≥ 500 MHz-km	Coating Diameter	250 μm ± 15 μm (colored)	
62.5/125		850nm ≥ 200 MHz-km			
		1300nm ≥ 500 MHz-km			

### Mechanical Specification (added attenuation: dB)

Tensile and Bending Test	TIA/EIA-455-33	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Crush Resistance	TIA/EIA-455-41	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Cyclic Flexing	TIA/EIA-455-104	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Impact Resistance	TIA/EIA-455-25	Singlemode ≤ 0.2 ; Multimode ≤ 0.3
Cable Twist	TIA/EIA-455-85	Singlemode ≤ 0.2 ; Multimode ≤ 0.3

\* Compliant with Telcordia GR-20-Core and EIA/TIA standard

### Environmental Condition

Temperature Range	Storage	-40°C to + 70°C
	Operating	-30°C to + 70°C
	Installation	-30°C to + 70°C

### Ordering Information

Cable Type	LT
Fiber Count	Max. 216
Fiber Type	Singlemode: G.652D, G.657A Multimode: OM1, OM2 or OM3
Fiber Bundle	6 or 12
Jacket Type	PE Jacket



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