

# Indoor/Outdoor Riser Rated Loose Tube Di-Electric Cable

## AFL Specification DNL-3057

### AFL Cable # LV024XC5101N1

#### Standards

Designed and Manufactured in accordance with the following:

Cable Fiber Color Code	GR20-CORE, EIA/TIA, REA/RUS PE-90 IEC 60793, ITU-T G.65x Series ANSI/EIA 359-A, 598-A, IEC 60304
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#### Mechanical / Physical Details

12.9 Approximate Cable Diameter mm	0.508 in
163 kg/km Approximate Cable Weight	0.109 lbs/ft
Polyvinyl Chloride Outer Jacket Type	(PVC)
Black Outer Jacket Color	
270 kg Maximum Tensile Load Short Term	600 lbs
90 kg Long Term	200 lbs
129 mm Minimum Bending Radius Static	5 in
258 mm Dynamic	11 in
Environmental Temperature Recommendations	
-50 to +70 Storage °C	-58 to +158 °F
Operation -40 to +70 °C	-40 to +158 °F
Installation -30 to +70 °C	-22 to +158 °F

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#### Optical Details

Attenuation Characteristics for 62.5/125 GIGA-Link™ 1000 Multimode fibers

Max Individual

3.50 dB/km 850 nm	(350 MHz)
1.20 dB/km 1300 nm	(600 MHz)

Attenuation Characteristics for Corning® SMF-28e™ Single-mode fibers

Max Individual

0.40 dB/km 1310 nm

0.30 dB/km 1550 nm

<b>60 Fiber Loose Tube Core (5 - 12 fiber buffer tubes)</b>		<b>Fiber Count</b>
<b>Unit</b>	<b>Fiber Type</b>	
Blue	Corning® SMF-28e™ Single-mode fibers	6
Orange	Corning® SMF-28e™ Single-mode fibers	6
Green	62.5/125 GIGA-Link™ 1000 Multimode fibers	6
Brown	62.5/125 GIGA-Link™ 1000 Multimode fibers	6
	Filler	N/A
<b>Total Fiber Count</b>		<b>24</b>

### Standard Fiber Color Code

Fiber No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

Designs with more than 12 fibers per tube will use the standard color code and binders for identification of the fibers.

### SPECIAL NOTE:

#### Cable Sheath Markings:

- 1) Cable marking to be stamped on cable sheath = “City of Lakeland Indoor/Outdoor Fiber Cable”
- 2) Sequential numbers marked in feet (in 3 foot increments) should be stamped on the cable sheath