

# LUMEFLEX™ END LIGHT STRANDED OPTICAL CABLE

Project:

Type:

Catalog Number: **LEL-012, LEL-024, LEL-048, LEL-072, LEL-096**

System Component: **Optical Fiber**



- ◆ **PMMA Acrylic Stranded Cable**
- ◆ **4 Times Diameter Bend Radius**
- ◆ **Multiple Light Points Per Cable**
- ◆ **UV Inhibitors**
- ◆ **Jacket has a Flammability Rating of UL 94 V-0**
- ◆ **Algae/Fungi-Resistant**
- ◆ **Water-Submersible**
- ◆ **Factory End Termination Available**

**DESCRIPTION:** LUMEFLEX™ End Light Optical Cables are composed of acrylic stranded fibers (PMMA) in a U.V.- resistant jacket. Lumeflex cable is offered in 5 diameters with reduced attenuation.



**NOTE:** Images are not to scale - Refer to dimensions on next page for outer diameters

## **SPECIFICATIONS:**

Transmission Loss (attenuation)	0.5%/Foot
Bend Radius (minimum)	4 Times Fiber Diameter
Temperature Stability	-55° C to 70° C
Spectral Transmission Range	400-680nm at Specified Attenuation
Acceptance Angle	61°
Refractive Index	Core: 1.49 Cladding: 1.40
Numerical Aperture	0.5
Jacket Material	PVC
Fiber Size	0.75mm

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Dimensions: (ALL DIMENSIONS ARE NOMINAL)

Model Number	Fiber Count	Outer Diameter	
		in.	mm
LEL-012	12	.1875	4.75
LEL-024	24	.265	6.72
LEL-048	48	.300	7.62
LEL-072	72	.370	9.39
LEL-096	96	.425	10.79

## Ordering Information

**EXAMPLE:**  
**LEL-096 - 15'**  
 MODEL #    LENGTH (in feet)

MODEL #	LENGTH _____
LEL-012	(in feet)
LEL-024	
LEL-048	
LEL-072	
LEL-096	