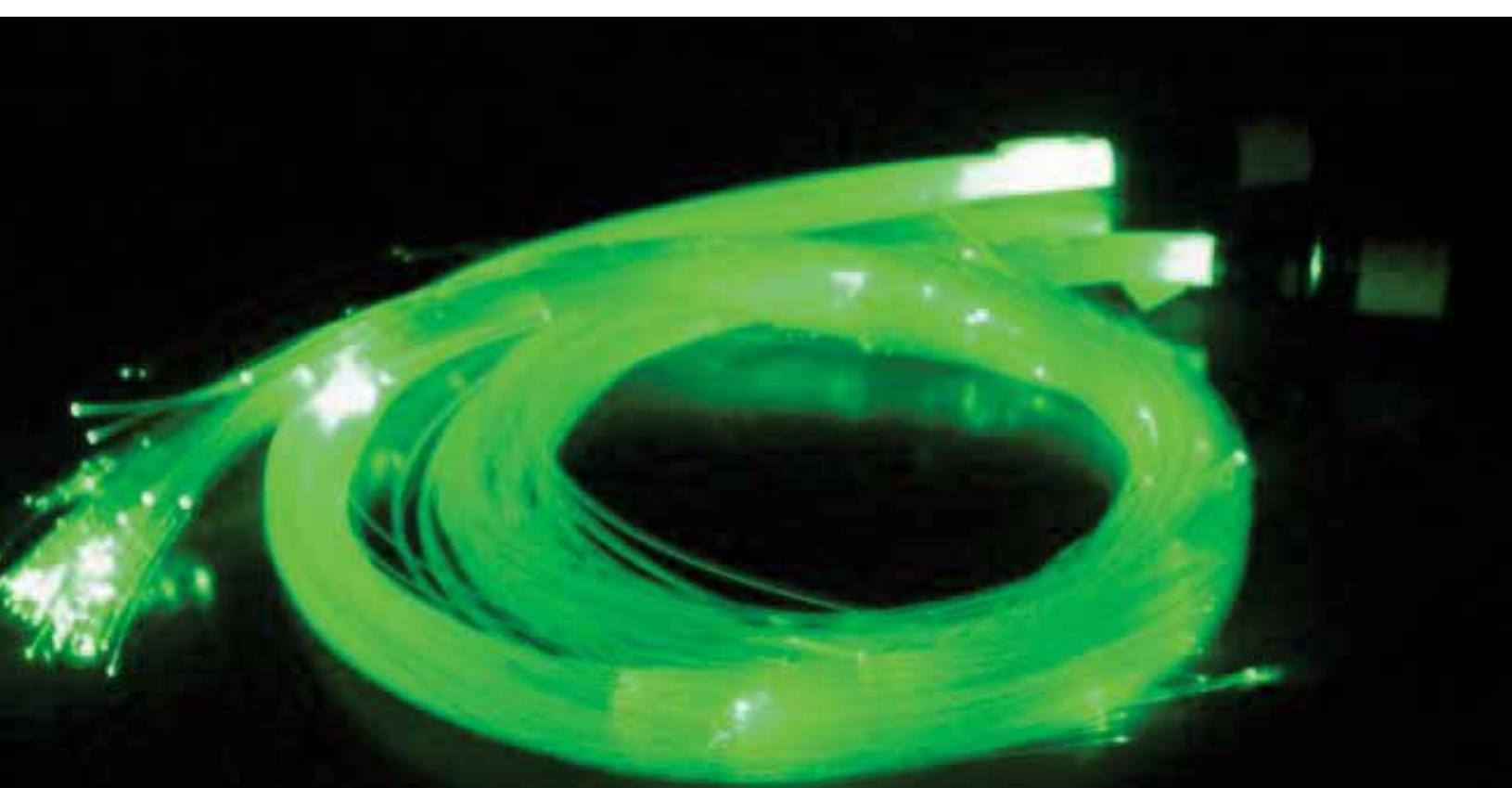


# FIBER OPTICS OPTI-PURE™

## OPTI-PURE™ SIDE EMITTING FIBER OPTICS

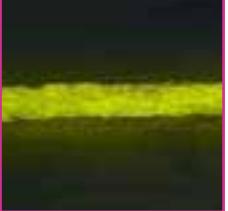
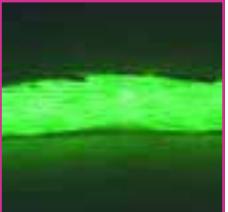
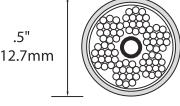
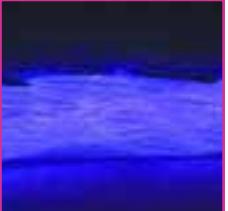
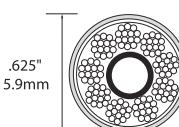
OPTI-PURE™ side emitting cable is a safe alternative to neon. It can Change colors, is virtually unbreakable and is energy efficient. Suitable for interior and exterior applications, it is uv protected and has an algaecide and fungicide treated exterior jacket for maximum durability against the elements. Sideglow® cable is strong enough for amusement park rides, extreme cold weather as well as underwater applications. With no heat or electricity in the cable, typical lighting design restrictions are eliminated, creating a multitude of design possibilities.

OPTI-PURE™ side emitting cable is made up of .030" / 0.75mm Diameter pmma acrylic optical fibers twisted (op42,op84, op126 only) within a flexible clear jacket. The fibers are twisted around a highly reflective pvc internal core that offers flexible stability with maximum light output.



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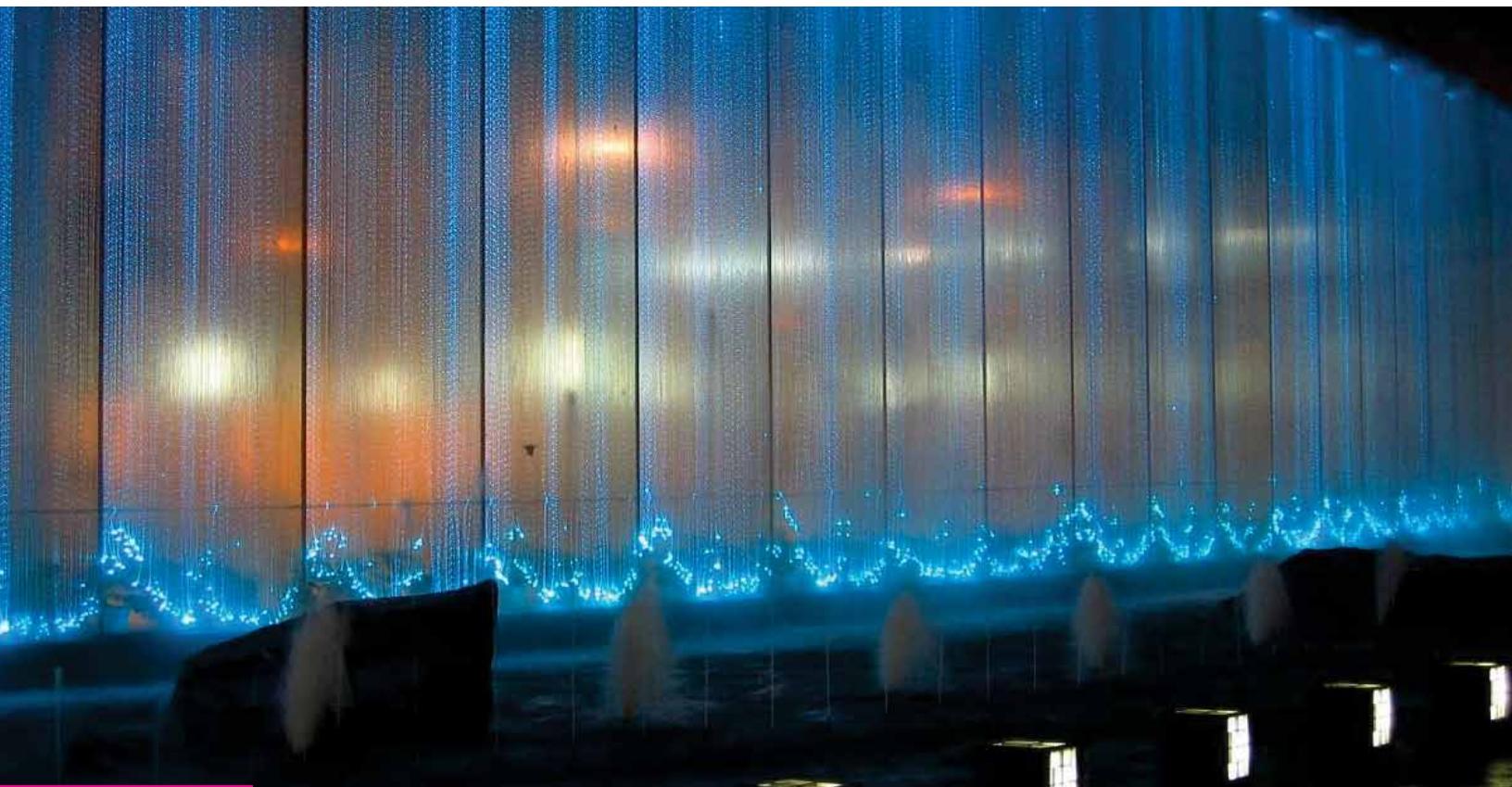
P-clips or u-channel track: allow for maximum  
Versatility and flexibility in mounting.

MODEL NO.	DESCRIPTION	QUM (SPOOL SIZE)												
<b>OP14</b>    	<p>OPTI-PURE™ side emitting cable is an un-twisted cable, .187" (4.8mm) in diameter There are 14 multistrand .030" (0.75mm) fibers in a clear PVC jacket. .187" Maximum (smallest) Bend Radius = 1"</p>	<p>Standard Spool Size →</p> <table> <tr> <td><u>Mini</u></td> <td><u>Small</u></td> <td><u>Medium</u></td> <td><u>Large</u></td> </tr> <tr> <td>800'</td> <td>2,000'</td> <td>5,000'</td> <td>6,500'</td> </tr> <tr> <td>244M</td> <td>700M</td> <td>1524M</td> <td>1981M</td> </tr> </table> <p>Fiber is sold by the foot</p>	<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	800'	2,000'	5,000'	6,500'	244M	700M	1524M	1981M
<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>											
800'	2,000'	5,000'	6,500'											
244M	700M	1524M	1981M											
<b>OP32</b>    	<p>OPTI-PURE™ side emitting cable is an un-twisted cable, .312" (7.9mm) in diameter There are 32 multistrand .030" (0.75mm) fibers in a clear PVC jacket. .312" Maximum (smallest) Bend Radius = 1"</p>	<p>Standard Spool Size →</p> <table> <tr> <td><u>Mini</u></td> <td><u>Small</u></td> <td><u>Medium</u></td> <td><u>Large</u></td> </tr> <tr> <td>200'</td> <td>750'</td> <td>1,000'</td> <td>1,700'</td> </tr> <tr> <td>244M</td> <td>229M</td> <td>305M</td> <td>518M</td> </tr> </table> <p>Fiber is sold by the foot</p>	<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	200'	750'	1,000'	1,700'	244M	229M	305M	518M
<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>											
200'	750'	1,000'	1,700'											
244M	229M	305M	518M											
<b>OP42</b>    	<p>OPTI-PURE™ side emitting cable is a twisted cable, .375" (9.5mm) in diameter There are 42 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1"</p>	<p>Standard Spool Size →</p> <table> <tr> <td><u>Mini</u></td> <td><u>Small</u></td> <td><u>Medium</u></td> <td><u>Large</u></td> </tr> <tr> <td>250'</td> <td>500'</td> <td>1,000'</td> <td>1,700'</td> </tr> <tr> <td>76.2M</td> <td>152M</td> <td>305M</td> <td>518M</td> </tr> </table> <p>Fiber is sold by the foot</p>	<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	250'	500'	1,000'	1,700'	76.2M	152M	305M	518M
<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>											
250'	500'	1,000'	1,700'											
76.2M	152M	305M	518M											
<b>OP84</b>    	<p>OPTI-PURE™ side emitting cable is a twisted cable, .5" (12.7mm) in diameter There are 84 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1.5"</p>	<p>Standard Spool Size →</p> <table> <tr> <td><u>Mini</u></td> <td><u>Small</u></td> <td><u>Medium</u></td> <td><u>Large</u></td> </tr> <tr> <td>NA</td> <td>300'</td> <td>700'</td> <td>1,000'</td> </tr> <tr> <td></td> <td>91M</td> <td>213M</td> <td>305M</td> </tr> </table> <p>Fiber is sold by the foot</p>	<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	NA	300'	700'	1,000'		91M	213M	305M
<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>											
NA	300'	700'	1,000'											
	91M	213M	305M											
<b>OP126</b>    	<p>OPTI-PURE™ side emitting cable is a twisted cable, .625" (15.9mm) in diameter There are 126 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1.5"</p>	<p>Standard Spool Size →</p> <table> <tr> <td><u>Mini</u></td> <td><u>Small</u></td> <td><u>Medium</u></td> <td><u>Large</u></td> </tr> <tr> <td>NA</td> <td>200'</td> <td>450'</td> <td>650'</td> </tr> <tr> <td></td> <td>244M</td> <td>137M</td> <td>198M</td> </tr> </table> <p>Fiber is sold by the foot</p>	<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>	NA	200'	450'	650'		244M	137M	198M
<u>Mini</u>	<u>Small</u>	<u>Medium</u>	<u>Large</u>											
NA	200'	450'	650'											
	244M	137M	198M											

# FIBER OPTICS OPTI-PURE™

## END-PURE™ END EMITTING FIBER OPTICS

OPTI-PURE™ End emitting cable is multistrand fibers protected in a flexible PVC jacket for ease of handling and fiber protection. OPTI-PURE™ End emitting cable is ideal for use with architectural lighting fixtures, landscape fixtures, watertight lenses, feature lights and OPTI-PURE™ End emitting signage.



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## MODEL NO.

## DESCRIPTION

## QUM (SPOOL SIZE)

OP4EG .125" 3.2mm		OPTI-PURE™ End emitting cable, .125" (3.2mm) in diameter Black jacket with 4 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = .5" (12.7mm)	Standard Spool Size →	Mini 1,500' 457M	Small 3,000' 914M	Medium 10,500' 3,200M	Large NA
OP8EGW .187" 4.8mm		OPTI-PURE™ End emitting cable, 0.1875" (4.8mm) in diameter White jacket with 8 straight .030" (0.75mm) fiber optic strands. Minimum (smallest) Bend Radius = .5" (12.7mm)	Standard Spool Size →	Mini 1,200' 366M	Small 3,300' 1,006M	Medium 6,500' 1,981M	Large 8,000' 2,438M
OP12EG .219" 5.5mm		OPTI-PURE™ End emitting cable, .219" (5.5mm) in diameter Black jacket with 12 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = .5" (12.7mm)	Standard Spool Size →	Mini 1,000' 305M	Small 2,500' 762M	Medium 5,000' 1,524M	Large 7,000' 2,134M
OP25EG .25" 6.35mm		OPTI-PURE™ End emitting cable, .25" (6.35mm) in diameter Black jacket with 25 straight .030" (0.75 mm) fiber optic strands. Maximum (smallest) Bend Radius = 1" (25.4mm)	Standard Spool Size →	Mini 500' 152M	Small 2,000' 610M	Medium 4,000' 1,219M	Large 5,500' 1,676M
OP50EG .312" 7.9mm		OPTI-PURE™ End emitting cable, .312" (7.9mm) in diameter Black jacket with 50 straight .030" (0.75 mm) fiber optic strands. Maximum (smallest) Bend Radius = 1" (25.4mm)	Standard Spool Size →	Mini 350' 107M	Small 700' 213M	Medium 2,200' 670M	Large 2,500' 762M
OP75EG .375" 9.5mm		OPTI-PURE™ End emitting cable, 0.375" (9.54mm) in diameter Black jacket with 75 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5" (38.09mm)	Standard Spool Size →	Mini 200' 61M	Small 650' 198M	Medium 1,200' 366M	Large 1,800' 549M
OP100EG .5" 12.5mm		OPTI-PURE™ End emitting cable, .50" (12.5mm) in diameter Black jacket with 100 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5" (38.09mm)	Standard Spool Size →	Mini N/A	Small 250' 76M	Medium 500' 152M	Large 750' 229M
OP150EGW* .281" 15.1mm		OPTI-PURE™ End emitting cable, 0.281" (15.1mm) in diameter White jacket with 150 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5" (38.09mm)	Standard Spool Size →	Mini NA	Small 250' 76M	Medium 500' 152M	Large 750' 229M
OP225EGW* .625" 15.9mm		OPTI-PURE™ End emitting cable, 0.625" (15.9mm) in diameter White jacket with 225 straight .030" (0.75 mm) fiber optic strands. Maximum (smallest) Bend Radius = 2" (50.8mm)	Standard Spool Size →	Mini NA	Small 150' 46M	Medium 400' 122M	Large 500' 152M
OP300EGW* .687" 17.5mm		OPTI-PURE™ End emitting cable, .687" in diameter White jacket with 300 (17.5mm) straight .030" (0.762 mm) fiber optic strands. Maximum (smallest) Bend Radius = 2" (50.8mm)	Standard Spool Size →	Mini NA	Small 150' 46M	Medium 250' 76M	Large 500' 152M

\*\* White Jacket Only

# FIBER OPTICS OPTI-PURE™

## OPTI-PURE™ END POINT FIBER OPTICS

OPTI-PURE™ Endpoint fiber is offered on a spool as an individual strand. This is the most economical way to purchase fiber optics. However, caution must be exercised when handling these individual fibers as they do not have a protective PVC jacket.

The most common use for individual spools are for EndPoint applications such as starfield ceilings, endpoint signs and displays.

Larger and smaller diameter fibers are available other than in OPTI-PURE™ End emitting or OPTI-PURE™ Sideemitting products.

Endpoint fibers are single-strand PMMA acrylic optical fibers, available in a wide range of diameters for a



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variety of applications. Endpoint fibers are ideal for starfield ceilings, point-of-purchase displays, floor tiles, wallscapes and spectacular displays.

MODEL NO.	DESCRIPTION	QUM (SPOOL SIZE)
<u>OPTI-AF20*</u>	 <p>EndPoint Fiber, .020" (.50mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .5" (12.7mm)</p>	19,686' 6,000M Fiber is sold by the spool only
<u>12.0021*</u>	 <p>EndPoint Fiber, .030" (.75mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .5" (12.7mm)</p>	29,529' 9,000M Fiber is sold by the spool only
<u>12.0022*</u>	 <p>EndPoint Fiber, .040" (1mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .5" (12.7mm)</p>	16,405' 5,000M Fiber is sold by the spool only
<u>OPTI-AF60</u>	 <p>EndPoint Fiber, .060" (1.5mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .75" (19mm)</p>	2,296' 700M Fiber is sold by the spool only
<u>OPTI-AF80</u>	 <p>EndPoint Fiber, .080" (2mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = 1.25" (31.8mm)</p>	1,148' 350M Fiber is sold by the spool only
<u>OPTI-AF120</u>	 <p>EndPoint Fiber, .120" (3.0mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = 1.25" (31.8mm)</p>	492' 150M Fiber is sold by the spool only

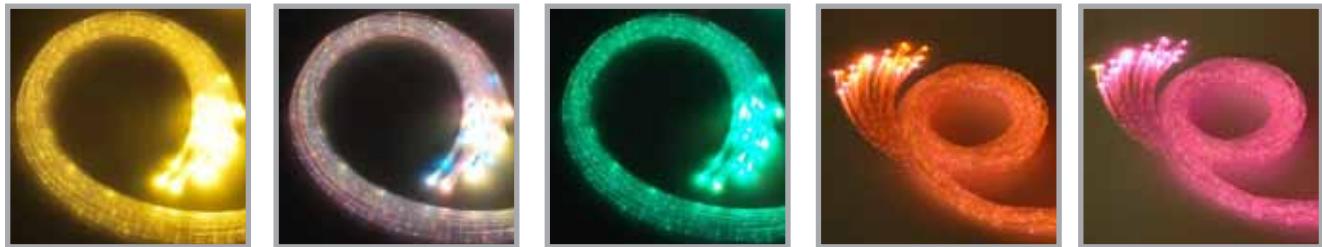
# FIBER OPTICS OPTI-PURE™

## OPTI-PURE™ END POINT FIBER OPTICS

OPTI-PURE™ Sparkle Light Fiber introduces a patented light diffusion technology called Micro-Windows that achieves brilliant and distinctive sparkling effect without any noticeable reduction in the intensity of the light throughout entire length of cable travel. Multistrand OPTI-PURE™ Sparkle Light Fiber are encased in a flexible clear UV stabilized PVC jacket to create fiber tail bundles in a variety of diameters for different type of projects. These fibers are best suited for sparkling effects, neon like effects, decorative lighting, chandeliers, and light curtains.



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## FEATURES

- Multistrand fibers encased in a flexible clear UV stabilized PVC jacket for side lighting applications.
- Patented Micro-Windows etched technology provides the brightest side lighting in the industry. The etched technology creates bright points to be brilliantly visible with a low amount of light diffusion which allows SparkleLight Fibers to maintain a uniform brightness along entire cable length.
- Distinctive twinkle effect unlike any others on the market.
- Neon-like, uniform illumination through the length of the cable.
- Remote lighting with no electricity, heat, UV, and infrared.
- Elegant and dynamic color change of illumination.
- Each 0.75mm diameter plastic fiber strand is made from proprietary high grade PMMA-based compound that is extremely durable and flexible.
- Untwisted (parallel) multistrand fibers provide more flexibility and longer uniform light transmission without hot spots than twisted fibers.
- Up to 100 ft (30M) on single illuminator in closed loop setup.
- Suitable for interior, exterior, and underwater applications.

## SPECIFICATIONS

- Sizes: Single 1mm, 3 @ .75mm, 6 @ .75mm 9 @.75mm
- Encased in a flexible clear UV stabilized PVC jacket for side lighting applications.
- Distinctive twinkle effect unlike any others on the market.
- Suitable for interior, exterior, and underwater applications.

