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.

P-clips or u-channel track: allow for maximum versatility and flexibility in mounting.
<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>DESCRIPTION</th>
<th>OUM (SPOOL SIZE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OP14</td>
<td>OPTI-PURE™ side emitting cable is an untwisted 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”</td>
<td>Mini: 800’ Small: 2,000’ Medium: 5,000’ Large: 6,500’ Standard Spool Size: 244M 700M 1524M 1961M Fiber is sold by the foot.</td>
</tr>
<tr>
<td>OP32</td>
<td>OPTI-PURE™ side emitting cable is an untwisted 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”</td>
<td>Mini: 200’ Small: 750’ Medium: 1,000’ Large: 1,700’ Standard Spool Size: 244M 229M 305M 518M Fiber is sold by the foot.</td>
</tr>
<tr>
<td>OP42</td>
<td>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”</td>
<td>Mini: 250’ Small: 500’ Medium: 1,000’ Large: 1,700’ Standard Spool Size: 76.2M 152M 305M 518M Fiber is sold by the foot.</td>
</tr>
<tr>
<td>OP84</td>
<td>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”</td>
<td>Mini: NA Small: 300’ Medium: 700’ Large: 1,000’ Standard Spool Size: 91M 213M 305M Fiber is sold by the foot.</td>
</tr>
<tr>
<td>OP126</td>
<td>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”</td>
<td>Mini: NA Small: 200’ Medium: 450’ Large: 650’ Standard Spool Size: 244M 137M 198M Fiber is sold by the foot.</td>
</tr>
</tbody>
</table>
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.
<table>
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<tr>
<td>OP4EG</td>
<td>OPTI-PURE™ End emitting cable, .125&quot; (3.2mm) in diameter Black jacket with 4 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = .5&quot; (12.7mm)</td>
<td><strong>Min</strong>: N/A  <strong>Small</strong>: 45M  <strong>Medium</strong>: 914M  <strong>Large</strong>: 3,200M  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP8EGW</td>
<td>OPTI-PURE™ End emitting cable, 0.1875&quot; (4.8mm) in diameter White jacket with 8 straight .030&quot; (0.75mm) fiber optic strands. Minimum (smallest) Bend Radius = .5&quot; (12.7mm)</td>
<td><strong>Min</strong>: 1,200'  <strong>Small</strong>: 3,500'  <strong>Medium</strong>: 6,500'  <strong>Large</strong>: 8,000'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP12EG</td>
<td>OPTI-PURE™ End emitting cable, .219&quot; (5.5mm) in diameter Black jacket with 12 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = .5&quot; (12.7mm)</td>
<td><strong>Min</strong>: 1,000'  <strong>Small</strong>: 2,500'  <strong>Medium</strong>: 5,000'  <strong>Large</strong>: 7,000'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP25EG</td>
<td>OPTI-PURE™ End emitting cable, .25&quot; (6.35mm) in diameter Black jacket with 25 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1&quot; (25.4mm)</td>
<td><strong>Min</strong>: 500'  <strong>Small</strong>: 2,000'  <strong>Medium</strong>: 4,000'  <strong>Large</strong>: 5,500'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP50EG</td>
<td>OPTI-PURE™ End emitting cable, .312&quot; (7.9mm) in diameter Black jacket with 50 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1&quot; (25.4mm)</td>
<td><strong>Min</strong>: 350'  <strong>Small</strong>: 700'  <strong>Medium</strong>: 2,200'  <strong>Large</strong>: 2,500'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP75EG</td>
<td>OPTI-PURE™ End emitting cable, 0.375&quot; (9.54mm) in diameter Black jacket with 75 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5&quot; (38.09mm)</td>
<td><strong>Min</strong>: 200'  <strong>Small</strong>: 650'  <strong>Medium</strong>: 1,200'  <strong>Large</strong>: 1,800'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP100EG</td>
<td>OPTI-PURE™ End emitting cable, .50&quot; (12.5mm) in diameter Black jacket with 100 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5&quot; (38.09mm)</td>
<td><strong>Min</strong>: N/A  <strong>Small</strong>: 250'  <strong>Medium</strong>: 500'  <strong>Large</strong>: 750'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP150EGW*</td>
<td>OPTI-PURE™ End emitting cable, 0.2812&quot; (15.1mm) in diameter White jacket with 150 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5&quot; (38.09mm)</td>
<td><strong>Min</strong>: N/A  <strong>Small</strong>: 250'  <strong>Medium</strong>: 500'  <strong>Large</strong>: 750'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP225EGW*</td>
<td>OPTI-PURE™ End emitting cable, 0.625&quot; (15.9mm) in diameter White jacket with 225 straight .030&quot; (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 2&quot; (50.8mm)</td>
<td><strong>Min</strong>: N/A  <strong>Small</strong>: 150'  <strong>Medium</strong>: 400'  <strong>Large</strong>: 500'  Fiber is sold by the foot</td>
</tr>
<tr>
<td>OP300EGW*</td>
<td>OPTI-PURE™ End emitting cable, .687&quot; in diameter White jacket with 300 (17.5mm) straight .030&quot; (0.762 mm) fiber optic strands. Maximum (smallest) Bend Radius = 2&quot; (50.8mm)</td>
<td><strong>Min</strong>: N/A  <strong>Small</strong>: 150'  <strong>Medium</strong>: 250'  <strong>Large</strong>: 500'  Fiber is sold by the foot</td>
</tr>
</tbody>
</table>
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 variety of applications. Endpoint fibers are ideal for starfield ceilings, point-of-purchase displays, floor tiles, wallscapes and spectacular displays.
<table>
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</table>
| OPTI-NF20 | EndPoint Fiber, .020\'' (.50mm) in diameter  
Single strand PMMA acrylic fiber  
Maximum (smallest) Bend Radius = .5'' (12.7mm) | 19,686'  
6.000M  
Fiber is sold by the spool only |
| 12.021*   | EndPoint Fiber, .030\'' (.75mm) in diameter  
Single strand PMMA acrylic fiber  
Maximum (smallest) Bend Radius = .5'' (12.7mm) | 29,529'  
9.000M  
Fiber is sold by the spool only |
| 12.022*   | EndPoint Fiber, .040\'' (1mm) in diameter  
Single strand PMMA acrylic fiber  
Maximum (smallest) Bend Radius = .5'' (12.7mm) | 16,405'  
5.000M  
Fiber is sold by the spool only |
| OPTI-NF40 | EndPoint Fiber, .060\'' (1.5mm) in diameter  
Single strand PMMA acrylic fiber  
Maximum (smallest) Bend Radius = .75'' (19mm) | 2,236'  
700M  
Fiber is sold by the spool only |
| OPTI-NF60 | EndPoint Fiber, .080\'' (2mm) in diameter  
Single strand PMMA acrylic fiber  
Maximum (smallest) Bend Radius = 1.25'' (31.8mm) | 1,148'  
350M  
Fiber is sold by the spool only |
| OPTI-NF10 | EndPoint Fiber, 0.120\'' (3.0mm) in diameter  
Single strand PMMA acrylic fiber  
Maximum (smallest) Bend Radius = 1.25'' (31.8mm) | 492'  
150M  
Fiber is sold by the spool only |
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.
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.