TactiFlex™ Flexible Ruggedized Fiber Optic Cable & Assemblies

**FEATURES & BENEFITS**
- 30% More Flexible for a New, Improved Design
- Exceptionally Rugged
- Crush-Resistant
- Bend Insensitive
- Lightweight
- Distribution Type Constructions
- Aramid Filler
- UV-Resistant

**APPLICATIONS**
- Portable Applications
- Outdoor Broadcast
- Staging
- Hostile Environments
- Digital Video, Audio or Networking

Designed for portable applications in harsh environments, Gepco® Brand's TactiFlex™ fiber optic cables are tough and lightweight, yet more flexible than standard ruggedized fiber cables on the market. TactiFlex features an abrasion-, chemical- and cut-resistant outer jacket that withstands flexing, pulling and crushing better than an already-rugged heavy-duty fiber cable. The 125µm single-mode fiber elements are coated with a 900µm, hard elastomeric, tight buffer for mechanical isolation and damage protection. TactiFlex is currently available in a distribution-type construction that features an aramid strength member filler for exceptional strength.

**SINGLE-MODE Fiber Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>Wavelength</th>
<th>Mode Field Diameter</th>
<th>Cladding Diameter</th>
<th>Maximum Attenuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Mode</td>
<td>1310nm</td>
<td>9.2µm</td>
<td>125µm</td>
<td>≤ 0.50 dB/Km</td>
</tr>
<tr>
<td></td>
<td>1550nm</td>
<td>9.2µm</td>
<td>125µm</td>
<td>≤ 0.50 dB/Km</td>
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</tbody>
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**SINGLE-MODE Mechanical Specifications**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Fiber Buffer</th>
<th>Outer Jacket</th>
<th>Crush Resistance</th>
<th>Impact Resistance</th>
<th>Flex Resistance</th>
<th>Operating Temp.</th>
<th>Storage Temp.</th>
<th>Number of Elements</th>
<th>Nominal OD</th>
<th>Tensile Load</th>
<th>Minimum Bend Radius</th>
</tr>
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<tbody>
<tr>
<td>TFS**D</td>
<td>Acrylate Tight Buffer Coating (0.9mm OD) with Overall Aramid Filler</td>
<td>PU, Black</td>
<td>200 Impacts</td>
<td>2000 Cycles</td>
<td>-46°C to +71°C</td>
<td>-55°C to +85°C</td>
<td></td>
<td>2</td>
<td>0.197&quot;</td>
<td>1800 lbf 8007 N 600 lbf 2667 N</td>
<td>3.94&quot; 1.8&quot; 21 lbs/Mft</td>
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<td></td>
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<td></td>
<td>4</td>
<td>0.216&quot;</td>
<td>1800 lbf 8007 N 600 lbf 2667 N</td>
<td>4.32&quot; 2.2&quot; 22 lbs/Mft</td>
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<td></td>
<td>12</td>
<td>0.346&quot;</td>
<td>2100 lbf 9341 N 700 lbf 3114 N</td>
<td>6.92&quot; 3.5&quot; 30.5 lbs/Mft</td>
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<tr>
<td>Multi-Mode</td>
<td>850nm</td>
<td>50µm</td>
<td>125µm</td>
<td>≤ 3.0 dB/Km @ 850/1310nm</td>
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Made in U.S.A.

TactiFlex™ Flexible Ruggedized Fiber Optic Cable & Assemblies

Ideal For Portable ST, LC, SC and FC Mobile Cables

TFA*##y-xxx-cc
* = “S” for Single-Mode, “M” for Multi-Mode
## = Number of Fiber Strands (2, 4 or 12)
y = “B” for Breakout, “D” for Distribution (Note, TactiFlex only available in distribution construction type currently.)
xxx = Length In Feet
cc = ST, LC, SC or FC

Qualified For Use on Neutrik® opticalCON® Assemblies

TFANO##*-xxx
## = Number of Fiber Strands (2, 4 or 12)
* = “S” for Single-Mode, “M” for Multi-Mode
xxx = Length In Feet

Ruggedized For Use with Expanded Beam Solutions

TFAEB*#-xxx
* = “S” for Single-Mode, “M” for Multi-Mode
# = Number of Fiber Strands (2 or 4)
xxx = Length In Feet

Optimized For Use with Amphenol® TFOCA II™ and Pierside

TFATT*##y-xxx (TFOCA II)
TFATP*##y-xxx (Pierside)
* = “S” for Single-Mode, “M” for Multi-Mode
## = Number of Fiber Strands (2 or 4)
y = “B” for Breakout, “D” for Distribution (Note, TactiFlex only available in distribution construction type currently.)
xxx = Length In Feet

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