**FIBER OPTIC CABLE SELECTION GUIDE**

### PREMISE CABLE

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Construction Options</th>
<th>Fiber Count</th>
<th>Part Number*</th>
<th>Catalog Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interconnect Cable</td>
<td>3.0 mm Riser</td>
<td>1 Fiber</td>
<td>xxxxySNR3.0</td>
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<tr>
<td></td>
<td>2 Fibers</td>
<td>xxxxySNR2.0</td>
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<tr>
<td></td>
<td>3.0 mm Plenum</td>
<td>1 Fiber</td>
<td>xxxxySNU3.0</td>
<td>40</td>
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<tr>
<td></td>
<td>2 Fibers</td>
<td>xxxxySNU2.0</td>
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<tr>
<td>Tight Buffer Breakout Cable</td>
<td>Riser</td>
<td>2-24 Fibers</td>
<td>xxxxy1B3R</td>
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</tr>
<tr>
<td></td>
<td>Plenum</td>
<td>2-48 Fibers</td>
<td>xxxxy1B3D</td>
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### OUTSIDE PLANT CABLE

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Construction Options</th>
<th>Fiber Count</th>
<th>Part Number*</th>
<th>Catalog Page</th>
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<tbody>
<tr>
<td>Loose Tube Cable</td>
<td>Single Jacket</td>
<td>2-312 Fibers</td>
<td>xxxxy4M1A-DWB</td>
<td>8</td>
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<tr>
<td></td>
<td>Dual Jacket</td>
<td>2-144 Fibers</td>
<td>xxxxy4H1A-DWB</td>
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<td>Single Jacket Armored</td>
<td>2-312 Fibers</td>
<td>xxxxy4MTF-DWB</td>
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<td>Dual Jacket Armored</td>
<td>2-312 Fibers</td>
<td>xxxxy4MTW-DWB</td>
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<td></td>
<td>Triple Jacket Armored</td>
<td>2-144 Fibers</td>
<td>xxxxy4ET5-DWB</td>
<td>15</td>
</tr>
<tr>
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<td>Figure 8</td>
<td>2-216 Fibers</td>
<td>xxxxy4MT1-DWB</td>
<td>12</td>
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<td>Figure 8 Armored</td>
<td>2-216 Fibers</td>
<td>xxxxy4MT1W-DWB</td>
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<td>Dual Jacket Dual Armored</td>
<td>2-144 Fibers</td>
<td>xxxxy4H15-DWB</td>
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<td>Single Jacket Ribbon</td>
<td>288-864 Fibers</td>
<td>xxxxy4H1A-DWB</td>
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<td>Central Tube Cable</td>
<td>Single Jacket Armored</td>
<td>2-12 Fibers</td>
<td>xxxxy4JNF5</td>
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<tr>
<td>Drop Cables</td>
<td>Compact Central</td>
<td>2-12 Fibers</td>
<td>xxxxy4JNC</td>
<td>17</td>
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<td>Toneable Flat</td>
<td>2-12 Fibers</td>
<td>xxxxy4J1AF</td>
<td>18</td>
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<td>All-Delectric Flat</td>
<td>2-12 Fibers</td>
<td>xxxxy4J1A</td>
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<td>Mini (Fig. 8)</td>
<td>2-12 Fibers</td>
<td>xxxxy62A</td>
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### INDOOR/OUTDOOR CABLE

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Construction Options</th>
<th>Fiber Count</th>
<th>Part Number*</th>
<th>Catalog Page</th>
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<tbody>
<tr>
<td>Loose Tube, Dry Water Block Cable</td>
<td>Riser</td>
<td>2-144 Fibers</td>
<td>xxxxy4M1M-DT</td>
<td>36</td>
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<td>Plenum</td>
<td>2-144 Fibers</td>
<td>xxxxy4M10-DT</td>
<td>35</td>
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<tr>
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<td>Dual Jacket LSZH</td>
<td>2-144 Fibers</td>
<td>xxxxy4H1R</td>
<td>38</td>
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<tr>
<td>Tight Buffer Distribution-Style Cable</td>
<td>Riser</td>
<td>2-24 Fibers</td>
<td>xxxxy1ANR.BK</td>
<td>31</td>
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<td>Plenum</td>
<td>2-24 Fibers</td>
<td>xxxxy1ANU.BK</td>
<td>32</td>
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<tr>
<td></td>
<td>Interlock Armored Riser</td>
<td>2-24 Fibers</td>
<td>xxxxy1ANR.ILRA</td>
<td>33</td>
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<tr>
<td></td>
<td>Interlock Armored Plenum</td>
<td>2-24 Fibers</td>
<td>xxxxy1ANJILRA</td>
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### MULTIMODE

<table>
<thead>
<tr>
<th>Optical Characteristics</th>
<th>OM2 Type-BI</th>
<th>OM3 Type-BE</th>
<th>OM4 Type-BL</th>
<th>OM4 Type-BM</th>
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<tbody>
<tr>
<td>Maximum Finished Cable Attenuation Coefficient</td>
<td>60/50 nm</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
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<tr>
<td></td>
<td>9/1300 nm</td>
<td>1.0</td>
<td>1.0</td>
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<tr>
<td></td>
<td>10Gigabit Ethernet Link Length (1 Gbps)</td>
<td>1000BASE-SX (850 nm)</td>
<td>750</td>
<td>1000</td>
</tr>
<tr>
<td></td>
<td>1000BASE-LX (1300 nm)</td>
<td>550</td>
<td>550</td>
<td>550</td>
</tr>
<tr>
<td></td>
<td>10 Gigabit Ethernet Link Length (10 Gbps)</td>
<td>10GBASE-SR (850 nm)</td>
<td>150</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>Coating</td>
<td>250</td>
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### SINGLEMODE

<table>
<thead>
<tr>
<th>Type</th>
<th>Typical Attenuation (dB/km)</th>
<th>1 Gbit Ethernet Distance (m)</th>
<th>10 Gbit Ethernet Distance (m)</th>
<th>Coating</th>
<th>QPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium</td>
<td>0.40</td>
<td>0.40</td>
<td>0.30</td>
<td>0.35</td>
<td>10,000</td>
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<tr>
<td>High Performance</td>
<td>0.35</td>
<td>0.35</td>
<td>0.25</td>
<td>0.30</td>
<td>10,000</td>
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### REDUCED-TOXICITY CABLES (LSZH)

<table>
<thead>
<tr>
<th>Type</th>
<th>Typical Attenuation (dB/km)</th>
<th>1 Gbit Ethernet Distance (m)</th>
<th>10 Gbit Ethernet Distance (m)</th>
<th>Coating</th>
<th>QPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode - Loose Tube</td>
<td>0.40</td>
<td>0.40</td>
<td>0.30</td>
<td>0.35</td>
<td>10,000</td>
</tr>
<tr>
<td>High Performance</td>
<td>0.35</td>
<td>0.35</td>
<td>0.25</td>
<td>0.30</td>
<td>10,000</td>
</tr>
</tbody>
</table>

### TACTICAL FIBER

<table>
<thead>
<tr>
<th>Type</th>
<th>Typical Attenuation (dB/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tight Buffer Breakout Cable</td>
<td>2-12 Fibers</td>
</tr>
<tr>
<td>Tight Buffer Military Distribution</td>
<td>2 &amp; 4</td>
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</tbody>
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### SPECIALTY FIBERS

<table>
<thead>
<tr>
<th>Type</th>
<th>Typical Attenuation (dB/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode (NZDS)</td>
<td>1310 nm</td>
</tr>
<tr>
<td>Large Effective Area</td>
<td>AL</td>
</tr>
<tr>
<td>Singlemode</td>
<td>1310 nm</td>
</tr>
<tr>
<td>Bend-Insensitive</td>
<td>AB</td>
</tr>
</tbody>
</table>

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*NOTE: xx denotes fiber type, yyy denotes fiber count, DT denotes dry tube water block.

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**General Cable**
<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>General Cable</th>
<th>Corning® Optical Fiber</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Loose Tube SM</td>
<td>AQ</td>
<td>SMF-28e+™ Fiber</td>
<td>Full spectrum, low water peak singlemode, ITU-T G.652.D</td>
</tr>
<tr>
<td>Performance Loose Tube SM</td>
<td>AT</td>
<td>SMF-28e+™ Fiber</td>
<td>Full spectrum, high performance low water peak singlemode with 0.35/0.25 attenuation, ITU-T G.652.D</td>
</tr>
<tr>
<td>Tight Buffer SM</td>
<td>AP</td>
<td>SMF-28e+™ Fiber</td>
<td>Full spectrum, low water peak singlemode with 900 µm PVC buffer, ITU-T G.652.D</td>
</tr>
<tr>
<td>Long-Haul SM</td>
<td>AL</td>
<td>LEAF® Fiber</td>
<td>Large A_eff, low water peak, NZ-DSF singlemode, ITU-T G.655</td>
</tr>
<tr>
<td>62.5 µm MM</td>
<td>CG</td>
<td>InfiniCor® 300 Fiber</td>
<td>1 Gb/s &lt; 300 m at 850 nm, OM1*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Gb/s &lt; 550 m at 1300 nm</td>
</tr>
<tr>
<td>62.5 µm MM</td>
<td>CL</td>
<td>InfiniCor® CL™ 1000 Fiber</td>
<td>1 Gb/s &lt; 500 m at 850 nm, OM1*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Gb/s &lt; 1000 m at 1300 nm</td>
</tr>
<tr>
<td>Ultra-Bendable 50 µm MM</td>
<td>BI</td>
<td>ClearCurve® OM2 Fiber</td>
<td>10 Gb/s &lt; 150 m at 850 nm, OM2*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Gb/s &lt; 750 m at 850 nm</td>
</tr>
<tr>
<td>Ultra-Bendable 50 µm MM</td>
<td>BE</td>
<td>ClearCurve® OM3 Fiber</td>
<td>10 Gb/s &lt; 300 m at 850 nm, OM3*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Gb/s &lt; 1000 m at 850 nm</td>
</tr>
<tr>
<td>Ultra-Bendable 50 µm MM</td>
<td>BL</td>
<td>ClearCurve® OM4 Fiber</td>
<td>10 Gb/s &lt; 550 m at 850 nm, OM4*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Gb/s &lt; 1100 m at 850 nm</td>
</tr>
<tr>
<td>Ultra-Bendable 50 µm MM</td>
<td>BM</td>
<td>ClearCurve® OM4 Fiber</td>
<td>10 Gb/s &lt; 600 m at 850 nm, OM4+*</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 Gb/s &lt; 1100 m at 850 nm</td>
</tr>
</tbody>
</table>

* Designation per ISO 11801 Fiber Standards

**TACTICAL CABLE OPTICAL FIBER CODE GUIDE**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>General Cable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 µm Coated SM</td>
<td>AE</td>
<td>ITU-T G.652.D</td>
</tr>
<tr>
<td>500 µm Coated SM, QPL</td>
<td>AK</td>
<td>ITU-T G.652.D</td>
</tr>
<tr>
<td>500 µm Coated, 62.5 MM</td>
<td>CE</td>
<td>1 Gb/s &lt; 300 m at 850 nm, OM1</td>
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<tr>
<td></td>
<td></td>
<td>1 Gb/s &lt; 550 m at 1300 nm</td>
</tr>
<tr>
<td>500 µm Coated, 62.5 MM, QPL</td>
<td>CK</td>
<td>1 Gb/s &lt; 300 m at 850 nm, OM1</td>
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<tr>
<td></td>
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<td>1 Gb/s &lt; 550 m at 1300 nm</td>
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