FIBER OPTIC CABLE

Indoor | Outdoor | MicroCore® | Harsh Environment
**PREMISE CABLE**

**Simplex, Zipcord and Dual-Link Cable**
Offering the broadest selection of cordage including plenum, riser and LSZH in all standard diameters. LSZH jacketed cables are OFNR listed.

**RIBBON-Link® Cable**
Combining high fiber density in a small diameter, flexible package. RIBBON-link cables can be terminated with 12 or 24 fiber multi-fiber connectors or the fibers can be fanned out and terminated individually. Plenum, riser and LSZH options are all UL listed.

**Furcation Tubing**
Multiple inner tube options allows for smooth and easy fiber insertion while maintaining the integrity required for robust connectorization. Available in simplex and zipcord configurations.

**Distribution Cable**
Used in applications requiring fiber counts between 4 and 144 fibers. Buffered to 900 µm, these cables can be directly terminated to connectors in loaded panels or in communications closets.

**Interconnect Premise MicroCore® Cable available with Spider Web™ Ribbon (SWR) Technology**
Interconnect Premise MicroCore cables are designed for MTP terminations and meet the interconnect standards of Telcordia GR-409. To minimize the cable’s diameter, multiple colored 250 µm fibers and aramid strands are packaged in a high performance PVC jacket. Fiber counts from 8 to 144 fibers are available. SWR fiber counts from 12 to 144 fibers are available. Both simplex and zipcord designs are available.
**Premise Cable**

**Sub-unitized Premise MicroCore® Cable**  
The sub-units consist of 12 colored bare fibers, ideal for MTP connectorization. Available in 12-288 fiber cable. Some designs are available with SWR technology.

**Indoor/Outdoor Tight Buffered Cable**  
Specified for campus network cabling between buildings where interbuilding lengths are short enough that the installer can recognize savings from the lower costs of terminating tight buffered cables. MSHA approved. Riser (2-72 F) Plenum (2-24 F)

**Breakout Cable**  
Combine multiple fiber flexibility with the strength of individually jacketed fibers. These cables can be terminated for fanout assemblies. MSHA approved. Indoor/outdoor qualified designs are also available.

**Armored Cabling**  
Armored cabling can be added to any of AFL’s Premise Cables. Both Aluminum and Interlocking Armor options are available in almost any size, with or without an outer jacket. Riser, Plenum, LSZH jacketed armor can be ordered in a variety of colors. Plenum and Riser versions meet the requirements of NEC 770. *Indoor/Outdoor grades are also available.
**Non-Armored Loose Tube Cable**
These stranded loose tube cables provide a solid backbone in fiber counts up to 576. Available in single or double jacket, dry tube or gel-filled options.

**Industrial Loose Tube Cable, LSZH, OFCG-LS, Aluminum Interlock Armor**
Designed for high reliability in heavy industrial and harsh environment applications. Consisting of a formed metallic armor, the cable features superior crush resistance and a high degree of flexibility. Furthermore, the cable features a flame retardant LSZH jacket which is UV stabilized and highly resistant to chemicals commonly found in industrial environments.

**Indoor/Outdoor Loose Tube Cable**
Combines the robust mechanical and environmental characteristics of an outside plant cable with the flexibility of an inside plant riser cable. Available in dry tube and gel-filled options.

**Uniflex® Cable**
Available in all dielectric, armored, indoor/outdoor, heavy duty and LSZH versions, these central tube products allow for installations that require increased flexibility with a small cable diameter.
**MICROCORE® CABLE**

**Sub-Unitized MicroCore® 2.0 Cable**
Constructed of the highest quality materials and to exacting industry standards, these small-diameter cables provide the solution sought by today’s structured cabling professionals. Each sub-cable is independently qualified and is suitable for individual routing paths within the rack/panel architecture of the data center. 24-144 Fiber counts.

**Sub-unitized Premise MicroCore® 3.0 Cable**
Sub-Unitized Premise MicroCore 3.0 fiber optic cables is another astounding evolution of high performance premise cabling. Enabling even greater pathway density than our 2.0 version, the 3.0 revolutionizes cable deployment and allows the end user to realize savings in space, routing infrastructures and fiber management. 24-288 Fiber counts.

**Dielectric Access MicroCore Cable**
Suitable for short-distance blown applications and specialty applications such as buried or road-bed cables.

**Ruggedized MicroCore Cable**
Available in all dielectric, armored, indoor/outdoor, heavy duty and LSZH versions, these central tube products allow for installations that require increased flexibility with a small cable diameter.
HARSH ENVIRONMENT CABLE

**Tactical Tight Buffered Cable**
Ideal for use in installations where extreme environmental conditions are present. Designed to be deployed and retrieved in the field, AFL’s Tactical Tight Buffered Cables are highly resistant to damage caused by repeated impacts or harsh conditions.

**BU Series Tactical Breakout Cable**
Ideal for use in harsh environment applications requiring a rugged deployable cable solution. Consisting of 2 mm sub-cables, each optical fiber is suitable for direct termination enabling fast and easy installation. Available with a flame retardant jacket option the BU series breakout cable is ideal for use in mines, petrochemical facilities, and other industrial applications.

**BU Series Braided Armored Breakout Cable**
Ideal for use in harsh environment applications requiring a rugged deployable cable solution. Consisting of 2 mm sub-cables, each optical fiber is suitable for direct termination enabling fast and easy installation. Available with a flame retardant jacket option the BU series breakout cable is ideal for use in mines, petrochemical facilities, and other industrial applications.

**Copper/Fiber Composite Cable**
Rugged easy to use composite cable consisting of flexible stranded Copper conductors and integrating communications links utilizing fiber optic technologies. The breakout design provides additional protection for both the copper and fiber channels by individually protecting each with insulated jackets and all-dielectric strength members.

**Indoor/Outdoor Riser Tight Buffered Cable**
For indoor applications the cable is OFNR listed. For outdoor applications the cable is manufactured with an outer jacket that incorporates a UV stabilizer for protection against exposure to the sun plus an anti-fungus protection for use in underground applications. MSHA Approved.
SUPPLIES, PARTS AND ACCESSORIES

Fiber-In-A-Box
AFL’s “Fiber-In-A-Box” solution offers contractors lightweight, easy to use cable packaging with “out of the box” disbursement of fiber cable. No reel supports or pay-off’s are required. Simply set the box down, unlock the built-in braking mechanism and begin pulling. Adjust the braking mechanism to apply the amount of pulling tension required. Stack and configure boxes together to disburse cable from several reels at the same time.
AFL’s “Fiber-In-A-Box” solution is available in 1,000, 2,000 and 3,000 foot lengths.

Premise Cable Ordering System

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Jacket Type</th>
<th>Total Fiber Count</th>
<th>Fiber Type</th>
<th>Unit Jacket Diameter</th>
<th>Print</th>
<th>Jacket Color</th>
<th>Tight Buffer Color</th>
<th>Tight Buffer Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>R</td>
<td>012</td>
<td>5</td>
<td>84</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

- B = Breakout  
- C = Circular Premise Cable  
- D = Dual-link  
- K = Indoor/Outdoor  
- P = Plenum  
- S = Simplex  
- W = Ribbon  
- Z = Zipcord

- 004 = 4 fiber  
- 006 = 6 fiber  
- 012 = 12 fiber etc.

- 5 = 50µm MM  
- 6 = 62.5µm MM  
- 9 = Single-mode  
- L = 10G 300m  
- K = Bend-Insensitive SM

- 1 = AFL standard  
- 2 = Non-standard  
- U = Unprinted

- 0 = Standard  
- 1 = Standard strip  
- 3 = EZ strip  
- B = Bare  
- G = Hytrel

AFL stocks many of our most popular cables for your convenience.
Please contact us at 800-AFL-FIBER or AFLPremiseStock@AFLGlobal.com for more details.