Pre-Terminated
MULTI-FIBER CABLES

BECAUSE YOUR BUSINESS RUNS THROUGH US
With the hassle-free installation and error-free performance of Berk-Tek Pre-Terminated Fiber Cable Assemblies, maximizing your project ROI has never been easier.

PRE-TERMINATED MULTI-FIBER CABLES AT A GLANCE

REDUCE TIME TO DEPLOY, IMPROVE PROJECT ROI

For projects of any variety, from the largest data center, to a typical office Local Area Network (LAN) or a campus-wide network, you don’t have time to waste. You need materials on hand, on time, and in proper working order.

And that’s where Berk-Tek Pre-Terminated Fiber Optic Cable Assemblies enter the picture.

We start with our full-line of superior fiber optic cables, add top-of-the-line connectors, construct assemblies to your exact specifications, and test every piece before it leaves our hands. Then they are shipped directly to your job site where they are ready for immediate installation as soon as they arrive. It really is that easy.

FEATURES

- Wide variety of cable and connector options available
- Full-range of optical fiber types, from GIGAlite-10XB Enhanced Multimode through standard 62.5 micron multimode and singlemode
- True custom designs, easily configured online
- Fully tested labeled and documented
- Installation requires no consumables, termination tool kits or specialized termination training
- Factory installed pulling eyes available
- Armored cable assemblies available with integral bonding wires

BENEFITS

- Rapidly deployable thanks to no required cable preparation
- Ready for installation on arrival
- Lower installation cost
- Lower cost of ownership
- No cable or connector scrap
- No termination errors
- Improved end-to-end attenuation, throughput and application migration with higher-performing factory terminated connectors
- Improved link loss budgets

APPLICATIONS

- Interbuilding and Intrabuilding backbones for LAN Premise and Campus applications
- Data center main, horizontal, zone and equipment distribution area trunk cables for Storage Area Network (SAN) applications
- Extended Multimode distance guarantees for:
  - 100 Gb/s Ethernet, parallel assemblies
  - 40 Gb/s Ethernet, parallel assemblies
  - 10GBase-SR Ethernet LAN applications
  - 10GBase-LX Ethernet LAN applications
  - 10GBase-SX Ethernet LAN applications
  - 10 Gb/s Fibre Channel SAN applications
  - 4.25 Gb/s Fibre Channel SAN applications
  - 2.12 Gb/s Fibre Channel SAN applications
  - 1.06 Gb/s Fibre Channel SAN applications
ENSURE SUPERIOR QUALITY, DELIVER CONSISTENT LONG-TERM RELIABILITY

Berk-Tek has always led the industry in delivering high-performance, high-quality structured cabling products, and our Pre-Terminated Assemblies continue to deliver on this promise. All of the following contribute to the production of the highest quality assemblies for your network.

- High-quality polishing processes ensure that connections meet or exceed industry standards for insertion loss, return loss and end-face geometry
- Stringent process control ensures consistent quality
- Strict adherence to performance testing rules at ISO registered facilities
- Extensive inspection of cable and connector components prior to assembly
- Interferometers test for end-face geometry accuracy
- Every terminated fiber optic cable receives 100% inspection for insertion loss and visual defects
  - 200X for multimode fiber
  - 400X for singlemode fiber video magnification

INNOVATIVE CABLE DESIGN, OUTSTANDING VARIETY, CUSTOMIZED FOR YOU

Berk-Tek offers a comprehensive line of pre-terminated multi-fiber cables in a variety of cable configurations and connector types. Berk-Tek’s pre-terminated cables feature laser-optimized 50 micron GIGAlite™, GIGAlite-10 and GIGAlite-10XB Enhanced Multimode, as well as our standard 62.5 micron multimode fibers and low water peak singlemode fibers. Cabling options include the compactly rugged Micro Data Center Plenum (MDP) as well as Adventum™, ArmorTek™, Premise Distribution and Ribbon cable constructions. Each pre-terminated multi-fiber cable is custom built to your specific performance requirements, application migration plan and installation environment.

Berk-Tek offers the Industry’s premier fiber optic cable line. Our complete line of indoor, outdoor and indoor/outdoor cable constructions ensure you have the flexibility to select the proper cable for your application. Our Adventum, ArmorTek, Premise Distribution and Ribbon Interconnect lines enable you to design the highest performing most reliable solution that ultimately contributes to lowest cost of ownership.

OPTICAL CABLING INNOVATIONS

MDP (Micro Data Center Plenum) indoor cables are designed specifically to enable high density backbone connectivity in existing or new data centers. These rugged cables are available in fiber counts from four to 288 optical fibers. This design offers dramatically reduced cable diameters of up to 50% over typical indoor/outdoor and premises distribution style cable offerings. These cables, when pre-terminated using industry standard MPO (MTP®)* multi-fiber optical connectors, provide the highest density, most flexible backbone connectivity solution available for data centers and SAN installations.

Adventum is not just for outdoor or indoor/outdoor applications. With Berk-Tek’s pre-terminated multi-fiber cable line you can now take advantage of Adventum in indoor LAN and SAN installation environments. In

*MTP® IS A REGISTERED TRADEMARK OF US CONEC, LTD.
Pre-terminated Berk-Tek Micro Data Center Plenum cables deliver the highest density, most flexible connectivity solution for the data center and SAN.

**Improved Link Loss Budget**

Berk-Tek’s family of 50 micron GIGAlite fibers offers considerably improved link loss budgets over the current industry minimum standards compliant fibers. By utilizing superior Differential Mode Delay (DMD) performance inherent to the fiber and cable manufacturing process, minimal Inter Symbol Interference (ISI) loss is attained and can be allocated to significantly increased link loss budgets as shown in the chart below. This added budget can be used to achieve longer distances or to increase the number of connector pairs in the link.

**Superior Optical Link Loss Budgets**

**10Gbase-SR Loss Budget vs Length**

In most cases Adventum offers better mechanical performance, smaller OD, better flexibility and better attenuation characteristics than tight buffered or ribbon cables. Adventum is available pre-terminated, giving you the ability to take advantage of the lower cable cost, improved reliability and better performance characteristics without having to field terminate a loose tube cable design. Adventum with DryGel™ Technology is available in riser or plenum constructions up to 432 fibers including optional interlocking armor. Adventum cables can be used with all connector options.

**Value Added Solutions**

Berk-Tek pre-terminated multi-fiber cables feature GIGAlite Enhanced Multimode fiber. GIGAlite facilitates network agility by enabling network planners the ability to migrate from 1 to 10 Gb/s in their LAN and SAN utilizing SW 850nm optical transceivers. The ability to leverage SW 850nm transceivers in network switches, servers, storage devices, HBAs and NICs provides the lowest cost of ownership and fastest return on investment (ROI).
Build your solution by choosing from the wide array of Berk-Tek cable constructions, optical fibers and connectivity options to be sure you get the best cable for your application.

**AVAILABLE CABLE CONSTRUCTIONS, GLASS TYPES AND CONNECTORS**

<table>
<thead>
<tr>
<th>CABLE CONSTRUCTIONS (ARMORING AVAILABLE)</th>
<th>OPTICAL FIBER TYPES</th>
<th>CONNECTOR TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro Data Center Plenum Loose Tube Fiber Cable</td>
<td>62.5/125µm (200/500 MHz·km) Multimode</td>
<td>LC/PC – Simplex, Duplex and Unibody</td>
</tr>
<tr>
<td>Adventum I/O Loose Tube Fiber Cable</td>
<td>50/125µm (700/500 MHz·km) Multimode</td>
<td>SC/PC and SC/AP – Simplex and Duplex</td>
</tr>
<tr>
<td>Adventum Tight Buffer I/O Loose Tube Fiber Cable</td>
<td>50/125µm (2000/500 MHz·km) Multimode</td>
<td>ST/PC</td>
</tr>
<tr>
<td>Premises Distributions Tight Buffer Fiber Cable</td>
<td>50/125µm (4900/500 MHz·km) Multimode</td>
<td>MT-RJ – Male and Female</td>
</tr>
<tr>
<td>Ribbon Interconnect</td>
<td>Singlemode</td>
<td>MTP – Male and Female</td>
</tr>
<tr>
<td>Interconnect Round</td>
<td></td>
<td>FC/PC and FC/APC</td>
</tr>
</tbody>
</table>

Refer to the inside back cover for a broader listing of the various available connectivity options.

**SIMPLIFY YOUR PROJECT, STRENGTHEN YOUR NETWORK WITH OUR ONLINE TEKLAB**

Berk-Tek puts you in control. Beginning with the configuration process and continuing on through installation, Berk-Tek Pre-Terminated Fiber Optic Cable Assemblies are focused on keeping your world as streamlined as possible. Our easy-to-use web-based assembly interface, TekLAB, takes the guesswork out of configuring your pre-terminated assemblies. With just a few clicks of the mouse, you define your product needs, including everything from cable construction, to strand count, fiber type, and pulling eye preferences. Using TekLAB ensures the creation of accurate product descriptions and part numbers, no matter how complex the assembly or the project. And once you have finished the configuration process, you have product diagrams in hand, and quotations on the way. www.berktek.com/teklab

Berk-Tek delivers. Each pre-terminated multi-fiber cable is custom built to your specific performance requirements, application migration plan and installation environment. You specify your cable and connectivity requirements and our optical engineers develop and manufacture your end-to-end pre-terminated cable solution.

**TOTAL COMMITMENT TO ON-TIME DELIVERY AND CUSTOMER SERVICE**

Meticulous attention to capacity and material planning allows us to meet our committed ship dates on time. Every time. Standard product offerings are able to ship in days not weeks to your project site. By working with our sales engineers and customer service experts we can also provide rapid ramp-up capabilities ensuring on time delivery for your special cabling needs. Let Berk-Tek Pre-Terminated Fiber Optic Cable Assemblies contribute to your ability to complete your project on time and on budget.
Producing high-quality, reliable pre-terminated cable assemblies, means addressing many specific physical characteristics of the cable and connections. These issues, thoroughly outlined in TIA/EIA, IEC and Telcordia standards, include acceptable parameters for Intermateability, Insertion Loss (IL), Return Loss (RL), Radius of Curvature, Apex Offset and Fiber Height. Other issues that influence long-term reliability are Ferrule/Fiber Fit, Ferrule Concentricity and Ferrule Surface Defects.

Berk-Tek ensures that all of the key physical characteristics outlined below are either removed through the selection of quality components or held to strict tolerances in our controlled manufacturing facilities, something that is much more difficult to achieve in a field installation setting.

**Misalignment**—Fiber Core Alignment is critical to a terminated cable’s ability to transmit light. Main causes of misalignment are typical mechanical issues associated with low quality connectors or fiber: ferrule concentricity, hole tolerances, fiber eccentricity and variations in core diameter.

**Surface Defects**—Visual defects are one of the most common causes of latent failures. Scratches, pits and chips in the ferrule end-face can change over time, becoming more pronounced and migrating to critical areas of the fiber core, thus affecting performance. They are also prime sources of deposits of dust, moisture and other contaminants.

**Radius of Curvature**—The end-face of the connector is given a specific radius during the polishing process. This radius provides the basis for ensuring that both fibers make contact. Both the apex offset and the fiber heights are dependent on the radius of curvature being within the predetermined parameters.

**Fiber Height**—Physical contact of the fiber is necessary for proper light transfer. The end-face geometry has strict fiber protrusion limits, as well as fiber undercut limits. These limits are based exclusively on the mathematical calculation of the radius of curvature. If the fiber is too low, the physical contact may never occur, causing increased attenuation and reflectance.

**Apex Offset**—Physical contact connectors feature a radius on the end-face. The peak of the radius is known as the apex. The relationship from the apex to the “perfect” center of the ferrule, is known as the apex offset. Strict control of this specification is mandatory in order to precisely control the distance of each fiber from the surface of the connector and to ensure physical contact upon mating.
STANDARD PRE-TERM CABLE SPECIFICATIONS

MDP (Micro Data Center Plenum) and MDP w/Aarmor-Tek Cables (4-72 fibers) Adventum Indoor/Outdoor Plenum or Riser and w/Aarmor-Tek Cables (6-216 fibers) Available with LC, SC, ST, MT-RJ and other standards compliant optical connectors

Premise Distribution and Premise Distribution w/Aarmor-Tek (36-144 fiber)

12-fiber ribbon cable with MTP® connectors is available
Additional standards compliant connector options available upon request

CONNECTOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SC CONNECTOR</th>
<th>LC CONNECTOR</th>
<th>ST CONNECTOR</th>
<th>MT-RJ CONNECTOR</th>
<th>MTP CONNECTOR</th>
<th>FC CONNECTOR</th>
<th>LC UNIBODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL TYPICAL</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
</tr>
<tr>
<td>IL MAXIMUM</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
</tr>
<tr>
<td>RL TYPICAL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>RL MAXIMUM</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DURABILITY</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
</tr>
<tr>
<td>FERRULE CONSTRUCTION</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
</tr>
<tr>
<td>BODY COLOR</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
</tr>
<tr>
<td>BOOT COLOR</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
</tr>
</tbody>
</table>

MULTIMODE LASER OPTIMIZED 50/125μm

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SC/PC</th>
<th>LC/PC</th>
<th>ST/PC</th>
<th>MT-RJ</th>
<th>MTP</th>
<th>FC/PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL TYPICAL</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
</tr>
<tr>
<td>IL MAXIMUM</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
</tr>
<tr>
<td>RL TYPICAL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>RL MAXIMUM</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DURABILITY</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.3 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
</tr>
<tr>
<td>FERRULE CONSTRUCTION</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Composite</td>
<td>Ceramic</td>
</tr>
<tr>
<td>BODY COLOR</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Black/Beige</td>
<td>Metallic</td>
</tr>
<tr>
<td>BOOT COLOR</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
<td>Aqua</td>
</tr>
</tbody>
</table>

MULTIMODE 50/125μM OR 62.5/125μm

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SC/PC</th>
<th>LC/PC</th>
<th>ST/PC</th>
<th>MT-RJ</th>
<th>MTP</th>
<th>FC/PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL TYPICAL</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
<td>.35 dB</td>
</tr>
<tr>
<td>IL MAXIMUM</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
</tr>
<tr>
<td>RL TYPICAL</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>RL MAXIMUM</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DURABILITY</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.3 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
</tr>
<tr>
<td>FERRULE CONSTRUCTION</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Composite</td>
<td>Ceramic</td>
</tr>
<tr>
<td>BODY COLOR</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Beige</td>
<td>Black/Beige</td>
<td>Metallic</td>
</tr>
<tr>
<td>BOOT COLOR</td>
<td>Black/Beige</td>
<td>Black/Beige</td>
<td>Black/Beige</td>
<td>Black/Beige</td>
<td>Aqua</td>
<td>Aqua</td>
</tr>
</tbody>
</table>

SINGEMODE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SC/UPC</th>
<th>LC/UPC</th>
<th>MTP</th>
<th>FC/UPC</th>
<th>SC/APC</th>
<th>FC/APC</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL TYPICAL</td>
<td>.14 dB</td>
<td>.14 dB</td>
<td>.25 dB</td>
<td>.14 dB</td>
<td>.23 dB</td>
<td>.23 dB</td>
</tr>
<tr>
<td>IL MAXIMUM</td>
<td>.30 dB</td>
<td>.30 dB</td>
<td>.75 dB</td>
<td>.30 dB</td>
<td>.50 dB</td>
<td>.50 dB</td>
</tr>
<tr>
<td>-61 dB</td>
<td>-61 dB</td>
<td>-55 dB</td>
<td>-55 dB</td>
<td>-65 dB</td>
<td>-70 dB</td>
<td>-70 dB</td>
</tr>
<tr>
<td>DURABILITY</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.2 dB change, 500 mating cycles</td>
<td>0.3 dB change, 500 mating cycles</td>
<td>0.3 dB change, 500 mating cycles</td>
<td>0.3 dB change, 500 mating cycles</td>
<td>0.3 dB change, 500 mating cycles</td>
</tr>
<tr>
<td>FERRULE CONSTRUCTION</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Composite</td>
<td>Ceramic</td>
<td>Ceramic</td>
<td>Ceramic</td>
</tr>
<tr>
<td>BODY COLOR</td>
<td>Blue</td>
<td>Blue</td>
<td>Green</td>
<td>Blue</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>BOOT COLOR</td>
<td>Blue</td>
<td>Blue</td>
<td>Blue</td>
<td>Blue</td>
<td>Green</td>
<td>Green</td>
</tr>
</tbody>
</table>

*ST IS A REGISTERED TRADEMARK OF AT&T. **MTP® IS A REGISTERED TRADEMARK OF U.S. CONEC, LTD.
The World’s Best Performing Cables have Berk-Tek written all over them.

Berk-Tek is a leader in network cabling with a full range of optical fiber, UTP, FTP, and coaxial cable products. State-of-the-art engineering enables Berk-Tek to deliver guaranteed product performance beyond industry standards that are independently verified.

**IT’S WHAT’S INSIDE YOUR OPTICAL FIBER CABLE THAT MATTERS.**

Designed for extraordinary performance and scalability for LAN and SAN applications, GIGAlite optical fiber technology delivers premium performance and reliability beyond industry standards.

Berk-Tek’s GIGAlite family of multimode optical fibers is a true performance breakthrough, with the tightest Differential Mode Delay (DMD) performance in the industry.

GIGAlite extends the reach of low cost 850nm VCSEL transceivers used in today’s high-speed LAN and SAN networks.

**FEATURES**

- Laser-optimized 62.5-micron and 50-micron optical fiber technology
- Enhanced DMD profile for superior performance
- Extended distance guarantees that enable seamless migration from 1 to 100 Gb/s
- Ethernet and Fibre Channel applications
- Higher bandwidth products that improve system link loss budgets

**BENEFITS**

- 40/100 Gb/s Ethernet performance to 125 meters for data center applications
- 10 Gb/s Ethernet and Fibre Channel performance to 600-meters for campus applications
- 10 Gb/s link loss budgets up to 4.5 dB beyond 300-meters using GIGAlite-10XB
- Fully compatible with legacy 62.5-micron and 50-micron fiber
- Premium performance without the premium price

**ATTENUATION, BANDWIDTH & APPLICATION DISTANCE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FIBER TYPE</th>
<th>62.5/125 μm - STANDARD (GB)</th>
<th>62.5/125 μm - GIGAlite™ (GB)</th>
<th>50/125 μm - GIGAlite™ (LB)</th>
<th>50/125 μm - GIGAlite™-10 (EB)</th>
<th>50/125 μm - GIGAlite™-10 FB (FB)</th>
<th>50/125 μm - GIGAlite™-10XB (XB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength (nm)</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
<td>850/1300</td>
</tr>
<tr>
<td>Maximum Attenuation (dB/km)</td>
<td>3.5/1.0</td>
<td>3.5/1.0</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
</tr>
<tr>
<td>Bandwidth (MHz-km)</td>
<td>200/500*</td>
<td>200/500*</td>
<td>950**/500*</td>
<td>2200**/500*</td>
<td>4700**/500*</td>
<td>4800**/500*</td>
</tr>
</tbody>
</table>

**DISTANCE GUARANTEES BY APPLICATION (METERS)**

<table>
<thead>
<tr>
<th>Ethernet (LAN)</th>
<th>100 Gb/s (100GBASE-SR10)</th>
<th>40 Gb/s (40GBASE-SR4)</th>
<th>10 Gb/s (10GBASE-SR)</th>
<th>1 Gb/s (1000BASE-SX)</th>
<th>10 Gb/s (1200-SN)</th>
<th>8 Gb/s (800-SAN)</th>
<th>8 Gb/s (800-SN)</th>
<th>4 Gb/s (400-SN)</th>
<th>2 Gb/s (200-SN)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
<td>100</td>
<td>150</td>
<td>500</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>125</td>
<td>125</td>
<td>550</td>
<td>125</td>
<td>125</td>
<td>125</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>125</td>
<td>300</td>
<td>600</td>
<td>125</td>
<td></td>
<td>600</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Ovalized Bandwidth – Measurement per EIA-455-200 – Paragraph 3.2.2.1. **Differential Mode Delay per EIA-455-220 DMD Test Measurement. Also, available with singlemode fiber, 1500 m for 100GBase-SR, 330 dB/km cable attenuation and 0.65 dB/consecutive loss utilizing two meter LC connectors. Additional optical fibers available. For the most current optical fiber specifications, contact Customer Service at 1-800-BERK-TEK or visit us online at www.berktek.com. Berk-Tek reserves the right to modify optical performance specifications without prior notice.

For more information on Berk-Tek cabling solutions, OASIS or any of the Berk-Tek cabling products, call 1-800-BERK-TEK or visit www.berktek.com.

Call 1-800-BERK-TEK for GSA Schedule Number.
BERK-TEK PRE-TERMINATED MULTI-FIBER CABLE PART NUMBERING SYSTEM

1 Select Cable Type*  
   A = Adventum Tight Buffer (1/0, 2 Fiber, Loose Tube, Dry Block)  
   A = Adventum Tight Buffer Interlocking Armor (1/0, 2 Fiber, Loose Tube, Dry Block)  
   L = Adventum Interlocking Armor (1/0 Loose Tube, 6-216 Fiber, Dry Block)  
   M = Micro Data Center Loose Tube (Indoor Micro Loose Tube)  
   K = Micro Data Center Loose Tube Interlocking Armor (Indoor Micro Loose Tube)  
   P = Premises Distribution (Indoor, Tight Buffer, 6-144 Fiber)  
   R = Ribbon Interconnect (Indoor, Fiber Ribbon)  
   IZ = Interconnect Round (Horizontal Cabling, Tight Buffer, 2 Fiber)  
   I4 = Interconnect Round (Horizontal Cabling, Tight Buffer, 4 Fiber)  

2 Select Cable Flame Rating  
P = Plenum (OFNP)  
R = Riser (OFNR)  

3 Select Number of Fiber Strands*  
   02 = 2-fiber (AT, AK, I2)  
   06 = 6-fiber (LT, LD, PK)  
   12 = 12-fiber (LT, LD, MK, PD, PK, RD)  
   24 = 24-fiber (LT, LD, MK, PD, PK)  
   48 = 48-fiber (LT, LD, MK, PK)  
   72 = 72-fiber (LT, LD, MK, PK)  
   144 = 144-fiber (LT, LD, PK)  
   216 = 216-fiber (LT)  

4 Select Fiber Type  
   C = 62.5/125µm (200/500 MHz) Multimode-CB3510/25  
   G = 62.5/125µm (200/500 MHz) GigAlite™ Multimode-CB3510/25  
   L = 50/125µm (700/500 MHz) GigAlite Multimode-LB3010/75  
   E = 50/125µm (2000/500 MHz) GigAlite-10 Multimode-EB3010/25  
   X = 50/125µm (4900/500 MHz) GigAlite-10X Multimode-XB3010/X5  
   A = Singlemode-AB0707 when PD, RD, I2 & I4  
   B = Singlemode-AB0403 when LT & LK for hybrids select MMF Type only  

5 Select Connector Type for Side A (Outside/Pulling End)  
   I = Simplex SC/PC  
   D = Simplex SC/UPC  
   P = Simplex LC/PC  
   J = Simplex LC/UPC  

   1 = Simplex SC/PC  
   2 = Simplex SC/UPC  
   3 = Simplex LC/PC  
   4 = Simplex LC/UPC  
   5 = ST/PC  
   6 = ST/UPC  
   7 = MT-RJ Female (2-fiber)**  
   8 = MT-RJ Male (2-fiber)**  
   9 = MTRJ (Male)  
   Q = ESCON  
   S = Multimode LC Uniboot  
   N = No Connector Side A  

   ** For maximum protection of the terminated inside cable end, a pulling eye on both cable ends should be specified.