ARIADROP™
Pre-Terminated Cable Solutions for the Commercial and Residential Marketplace
Features

- 100% Tested
- 1-24 Fibers standard (larger counts also available)
- Lengths from 1 meter to 1 km
- Supplied on a spool for easy payout or in a box
- Also available as FiberPatch drop cable enclosure
- Protective sock for connectors is available
- Pulling eye also available
- Cable types available: OFNR, OFNP, OSP, and Indoor plenum interlocking armor
Performance Specifications

Insertion Loss Readings at 1310 nm

Loss (dB) vs Connector Number

Max Requirement

Loss (dB)

Connector Number

-80 -75 -70 -65 -60 -55 -50 -45 -40

Connector Number

-40 -35 -30 -25 -20 -15 -10 -5 0

Connector Number

-0.6 -0.5 -0.4 -0.3 -0.2 -0.1 -0.0 0

Connector Number

Loss (dB)

Reflectance Readings at 1310 nm

Loss (dB) vs Connector Number

Min Requirement

Loss (dB)

Connector Number

0 0.1 0.2 0.3 0.4 0.5 0.6

Connector Number

6 8 9 7 5 10 11 12 13 14 15

Connector Number

Loss (dB)

Insertion Loss Readings at 1490 nm

Loss (dB) vs Connector Number

Max Requirement

Loss (dB)

Connector Number

-80 -75 -70 -65 -60 -55 -50 -45 -40

Connector Number

-40 -35 -30 -25 -20 -15 -10 -5 0

Connector Number

-0.6 -0.5 -0.4 -0.3 -0.2 -0.1 -0.0 0

Connector Number

Loss (dB)

Reflectance Readings at 1490 nm

Loss (dB) vs Connector Number

Min Requirement

Loss (dB)

Connector Number

0 0.1 0.2 0.3 0.4 0.5 0.6

Connector Number

6 8 9 7 5 10 11 12 13 14 15

Connector Number

Loss (dB)
Performance Specifications (Continued)

Insertion Loss Readings at 1550 nm

![Graph showing insertion loss readings at 1550 nm.]

Return Loss Readings at 1550 nm

![Graph showing return loss readings at 1550 nm.]

Insertion Loss Readings at 1625 nm

![Graph showing insertion loss readings at 1625 nm.]

Reflectance Readings at 1625 nm

![Graph showing reflectance readings at 1625 nm.]

Performance Specifications (Continued)

Fiber Undercut and Protrusion

- Connector Number
- Distance (mm)

- Undercut or Protrusion
- Max Req
- Min Req

Ferrule Endface Radius of Curvature

- Connector Number
- Radius (mm)

- Max Req
- Min Requirement

Apex Offset

- Connector Number
- Offset (um)

- Offset
- Max Requirement
ARIA’s 2-24 Fiber Riser Rated Indoor/Outdoor Cable is composed of 2 to 24 colored tight buffers, water blocking aramid yarn, and a UV resistant black PVC outer jacket.

UL Listed OFNR cables are available, and unlisted, unrated cables can be supplied to accommodate special needs.

Standard surface print denotes construction, NEC rating and fiber type, and includes footage markers. Custom print can also be accommodated.

ARIA distribution cable is available in 12 TIA standard colors or special order colors.

All component materials meet the EU RoHS and REACH Directive standards.

Features

- UL1666 Flame Rating
- 900µm Tight Buffers
- Water blocking aramid yarn strength members
- UV resistant jacket, OFNR rated construction
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Buffers strip consistently between 3.5 – 5 lbs-f, helpful for onsite termination
- Durable jacket offers added protection during installation and in rugged use applications
- Application: Riser, Duct, Indoor/Outdoor
ARIADROP™
Pre-Terminated Cable Solutions

2-24 Fiber Riser Rated Indoor/Outdoor Cable
Cable Characteristics

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Outer Jacket Material</th>
<th>Sub Units</th>
<th>Strength Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, 4, 6, 8, 12, 24</td>
<td>Flame Retardant PVC</td>
<td>Flame Retardant PVC</td>
<td>Aramid Yarn</td>
</tr>
</tbody>
</table>

Physical Characteristics

<table>
<thead>
<tr>
<th>Nominal Outer Diameter (mm) of 2, 4, 6, 8, 12, 24 (fiber count)</th>
<th>Weight (lbs/ km) of 2, 4, 6, 8, 12, 24 (fiber count)</th>
<th>Minimum Bend Radius, Installation (cm) of 2, 4, 6, 8, 12, 24 (fiber count)</th>
<th>Minimum Bend Radius, Operation (cm) of 2, 4, 6, 8, 12, 24 (fiber count)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.40 / 4.80 / 5.30 / 5.80 / 6.30 / 8.10</td>
<td>34 / 45 / 55 / 70 / 94 / 120</td>
<td>6.6 / 7.2 / 7.95 / 8.7 / 9.45 / 12.15</td>
<td>4.40 / 4.80 / 5.30 / 5.80 / 6.30 / 8.10</td>
</tr>
</tbody>
</table>

Optical Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Singlemode</th>
<th>OM1</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Size</td>
<td>9 μm</td>
<td>62.5 μm</td>
<td>50 μm</td>
<td>50 μm</td>
<td>50 μm</td>
</tr>
<tr>
<td>Wavelength</td>
<td>(1310/1550) nm</td>
<td>(850/1300) nm</td>
<td>(850/1300) nm</td>
<td>(850/1300) nm</td>
<td>(850/1300) nm</td>
</tr>
<tr>
<td>Maximum Attenuation</td>
<td>(0.5/ 0.4) dB/km</td>
<td>(3.5/ 1.5) dB/km</td>
<td>(3.5/ 1.5) dB/km</td>
<td>(3.5/ 1.5) dB/km</td>
<td>(3.5/ 1.5) dB/km</td>
</tr>
<tr>
<td>Bandwidth (EMB)(High Performance)</td>
<td>N/A</td>
<td>220 MHz @850nm</td>
<td>850 MHz @850nm</td>
<td>2000 MHz @850nm</td>
<td>4700 MHz @850nm</td>
</tr>
<tr>
<td>Link Length (10Gb/s)</td>
<td>N/A</td>
<td>N/A</td>
<td>150 meters</td>
<td>300 meters</td>
<td>550 meters</td>
</tr>
</tbody>
</table>
Indoor Cable
Riser or Plenum Rated

Indoor tight buffered cables assure reliable broadband performance, meet flame retardant safety codes, and support easy field termination.

This cable family packages 900μm tight buffered fibers into a single flame retardant cable. This cable design is available in both riser rated and plenum rated versions for deployment in any indoor application.

The tight buffered distribution cable supports standard installation practices and may be easily terminated using established field connectorization methods.

Features & Benefits
• 900μm tight buffered fibers are designed to support rapid field termination
• Industry standard color coding provides quick, error-free fiber identification
• Single-Unit designs provide space savings and cost advantages
• Subunit construction improves organization and termination practices
• Available with bend-insensitive singlemode and multimode optical fibers
• Flexible, flame-retardant, and color coded outer jacket
• Supports all high performance networks including OM4/10 Gigabit Ethernet systems

Fiber Information

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Wavelength (nm)</th>
<th>Attenuation (dB/km)</th>
<th>Bandwidth (MHz km)</th>
<th>1 GbE Distance (meters)</th>
<th>10 GbE Distance (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode</td>
<td>1310 / 1383 / 1550</td>
<td>0.7/0.7/0.7</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Singlemode Bend Insensitive</td>
<td>1310 / 1383 / 1550</td>
<td>0.7/0.7/0.7</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Multimode (62.5μm)</td>
<td>850/1300</td>
<td>3.5/1.0</td>
<td>200/500</td>
<td>300/550</td>
<td>33</td>
</tr>
<tr>
<td>Multimode (50μm)</td>
<td>850/1300</td>
<td>3.5/1.5</td>
<td>500/500</td>
<td>550/550</td>
<td>82</td>
</tr>
<tr>
<td>Multimode OM3 (50μm)</td>
<td>850/1300</td>
<td>3.5/1.5</td>
<td>1500/500</td>
<td>1000/550</td>
<td>300</td>
</tr>
<tr>
<td>Multimode OM4 (50μm)</td>
<td>850/1300</td>
<td>3.5/1.5</td>
<td>3500/500</td>
<td>1100/550</td>
<td>550</td>
</tr>
</tbody>
</table>
### Indoor Cable Riser Specifications

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Fibers per subunit</th>
<th>Diameter inches (mm)</th>
<th>Cable Weight lb/kft (kg/km)</th>
<th>Bend Radius Load inches(cm)</th>
<th>Bend Radius No Load inches(cm)</th>
<th>Maximum Installation Load lbs (newtons)</th>
<th>Maximum Operation Load lbs (newtons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>single-unit</td>
<td>0.19 (4.8)</td>
<td>15 (22)</td>
<td>3.8 (9.7)</td>
<td>1.9 (4.9)</td>
<td>148 (660)</td>
<td>44.4 (198)</td>
</tr>
<tr>
<td>4</td>
<td>single-unit</td>
<td>0.22 (5.6)</td>
<td>19 (28)</td>
<td>4.4 (11.2)</td>
<td>2.2 (5.6)</td>
<td>148 (660)</td>
<td>44.4 (198)</td>
</tr>
<tr>
<td>6</td>
<td>single-unit</td>
<td>0.24 (6.0)</td>
<td>21 (31)</td>
<td>4.8 (12.2)</td>
<td>2.4 (6.1)</td>
<td>148 (660)</td>
<td>44.4 (198)</td>
</tr>
<tr>
<td>8</td>
<td>single-unit</td>
<td>0.25 (6.2)</td>
<td>23 (34)</td>
<td>5.0 (12.7)</td>
<td>2.5 (6.4)</td>
<td>148 (660)</td>
<td>44.4 (198)</td>
</tr>
<tr>
<td>12</td>
<td>single-unit</td>
<td>0.28 (7.0)</td>
<td>30 (45)</td>
<td>5.6 (14.3)</td>
<td>2.8 (7.2)</td>
<td>148 (660)</td>
<td>44.4 (198)</td>
</tr>
</tbody>
</table>

### Plenum Specifications

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Fibers per subunit</th>
<th>Diameter inches (mm)</th>
<th>Cable Weight lb/kft (kg/km)</th>
<th>Bend Radius Load inches(cm)</th>
<th>Bend Radius No Load inches(cm)</th>
<th>Maximum Installation Load lbs (newtons)</th>
<th>Maximum Operation Load lbs (newtons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>single-unit</td>
<td>0.16 (4.2)</td>
<td>9 (13)</td>
<td>3.2 (8.2)</td>
<td>1.6 (4.1)</td>
<td>98.9 (440)</td>
<td>29.6 (132)</td>
</tr>
<tr>
<td>4</td>
<td>single-unit</td>
<td>0.17 (4.3)</td>
<td>14 (21)</td>
<td>3.4 (8.7)</td>
<td>1.7 (4.4)</td>
<td>98.9 (440)</td>
<td>29.6 (132)</td>
</tr>
<tr>
<td>6</td>
<td>single-unit</td>
<td>0.18 (4.7)</td>
<td>15 (22)</td>
<td>3.6 (9.2)</td>
<td>1.8 (4.6)</td>
<td>98.9 (440)</td>
<td>29.6 (132)</td>
</tr>
<tr>
<td>8</td>
<td>single-unit</td>
<td>0.20 (5.0)</td>
<td>18 (27)</td>
<td>4.0 (10.2)</td>
<td>2.0 (5.1)</td>
<td>98.9 (440)</td>
<td>29.6 (132)</td>
</tr>
<tr>
<td>12</td>
<td>single-unit</td>
<td>0.23 (5.8)</td>
<td>22 (33)</td>
<td>4.6 (11.7)</td>
<td>2.3 (5.9)</td>
<td>98.9 (440)</td>
<td>29.6 (132)</td>
</tr>
</tbody>
</table>

### Specifications

**Applications:** Versatile Indoor Flame-Rated Cable provides unsurpassed performance for intrabuilding applications that require crossing floors in multi-level buildings or placement in air handling spaces.

**Constructions:** Single-Unit (≤ 24f); Subunits (≥ 18f); Interlock Armor optional

**Flame Ratings:** Riser (OFNR / OFCR / FT4); Plenum (OFNP / OFCP / FT6)

**Standards:** ANSI/ICEA S-83-596, UL-1666, NFPA 262, CSA 22.2 No 230, Telcordia GR-409, RoHS Compliant

**Temperatures:** Shipping and Storage - Riser/Plenum: -40 °F to +176 °F (-40 °C to +80 °C)
Installation - Riser: +14 °F to +140 °F (-10 °C to +60 °C), Plenum: +32 °F to +140 °F (0 °C to +60 °C)
Operation - Riser: -4 °F to +176 °F (-20 °C to +80 °C), Plenum: +32 °F to +176 °F (0 °C to +80 °C)
Indoor Cable  
Interlocking Armor Plenum Rated

Overview
With a rugged, armored design delivering up to 10 to 13 times the crush resistance of standard fiber optic cable, interlocking armor fiber cables are ideal for campus & building backbones, data centers and industrial applications.

Interlocking Armor Plenum fiber cables are not governed by fill ratios because they are UL listed as cable assemblies, allowing a higher concentration of cables in an area compared to conduit. Because the cable is extremely durable and has an indoor rating, Interlocking Armor Plenum is an excellent choice for campus environments.

Interlocking Armor Plenum fiber cables also provide outstanding flexibility for modifications, alterations and changes, (MACs) as well as relocations, pathway changes or design modifications after the cable has been pulled, something conduit cannot easily accommodate.

Protecting optical fiber cables with interlocking armor provides improved network reliability, flexibility and security.

A user-friendly, cost and space effective alternative to conduit or plenum innerduct. By installing Interlocking Armor Plenum fiber cables instead of plenum innerduct or conduit, savings can run from 25-50% in materials, and reduce costly installation time and labor costs by as much as 60%. This is a significant advantage over traditional installation methods.

Interlocking Armor Plenum simplifies last minute relocations or pathway changes and allows a greater concentration of cables due to UL classification as cable assemblies, not governed by fill ratios.

Interlocking armor delivers superior crush and rodent resistance as well as security and is available in fiber counts of 6-12.

Specifications
Type: Step index singlemode or graded index multimode optical fiber with protective UV cured acrylate coating.
Proof Test: Entire length of fiber is subjected to a 0.7 GPa (100 kpsi) minimum proof stress per TIA/EIA FOTP-31.
Coating Diameter: 245 ± 10 μm.
Buffer Jacket: PVC - 900 ± 50 μm (0.0354 in) OD.
Configuration: Twelve tight buffer fibers are in a matrix of aramid strength members enclosed under an inner jacket. Armor and a second jacket is applied.
Armor: Aluminum Interlock.
Jacket Material, Inner &Outer: Plenum Grade Thermoplastic.
Jacket Color: Orange for Multimode, Aqua for OM3, or Yellow for Singlemode.
Cable Weight: 129 kg/km (87 lb/1000 ft).
Cable Outer Diameter: 13.3 mm (0.523 in).
Indoor Cable
Interlocking Armor Plenum Rated

<table>
<thead>
<tr>
<th>Description</th>
<th>Singlemode</th>
<th>Multimode 62.5 µm</th>
<th>Multimode 50 µm</th>
<th>Multimode OM3 50 µm</th>
<th>Multimode OM4 50 µm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cladding Diameter</td>
<td>125.0 ± 1.0 µm</td>
<td>125.0 ± 2.0 µm</td>
<td>125.0 ± 1.0 µm</td>
<td>125.0 ± 1.0 µm</td>
<td>125.0 ± 1.0 µm</td>
</tr>
<tr>
<td>Numerical Aperture</td>
<td>0.12</td>
<td>0.275 ± 0.015</td>
<td>0.200 ± 0.015</td>
<td>0.200 ± 0.015</td>
<td>0.200 ± 0.015</td>
</tr>
<tr>
<td>Maximum Attenuation @ 850/1300 nm (dB/km)</td>
<td>N/A</td>
<td>3.5/1.0</td>
<td>3.5/1.5</td>
<td>3.0/1.0</td>
<td>3.0/1.0</td>
</tr>
<tr>
<td>Minimum Bandwidth @ 850/1300 nm (MHz•km)</td>
<td>N/A</td>
<td>200/500</td>
<td>500/500</td>
<td>2000/500</td>
<td>4700/500</td>
</tr>
<tr>
<td>100 Mb Transmission distance @ 850/1300 nm (m)</td>
<td>&gt; 5000 @ 1310 nm</td>
<td>300/2000</td>
<td>300/2000</td>
<td>300/2000</td>
<td>300/2000</td>
</tr>
<tr>
<td>1 GbE Transmission distance @ 850/1300 nm (m)</td>
<td>&gt; 5000 @ 1310 nm</td>
<td>300/600</td>
<td>550/550</td>
<td>1000/600</td>
<td>1040/600</td>
</tr>
<tr>
<td>10 GbE Transmission distance @ 850/1300 nm (m)</td>
<td>&gt; 10,000 @ 1310 nm</td>
<td>36/300</td>
<td>N/A</td>
<td>300/300</td>
<td>550/300</td>
</tr>
<tr>
<td>40/100 GbE Transmission distance @ 850 nm (m)</td>
<td>10k/40k @ 1310 nm</td>
<td>N/A</td>
<td>N/A</td>
<td>100</td>
<td>150</td>
</tr>
</tbody>
</table>

Ratings
Flame Listing: Engineering Testing Laboratories (ETL) or Underwriters Laboratories (UL) Type OFNP (Nonconductive Optical Fiber Plenum Cable) and c(ETL or UL) OFN-FT6 75C
Operating Temperature: -20°C to +75°C
Storage Temperature: -40°C to +85°C
Maximum Loading: Installation - 1335 N (300 lb) & Long Term - 400 N (90 lb).
Minimum Bend Radius: Installation 19.9 cm (7.8 in) & Long Term 13.3 cm (5.2 in).
Compression (crush) Strength: 440 N/cm per TIA/EIA FOTP-41.
Impact: 2 impacts at 5.88 N-m per TIA/EIA FOTP-25.
Cable Flex: 25 cycles per TIA/EIA FOTP-104.

Applications
IEEE 802.3ae 10GBASE-X (10 Gb/s)
IEEE 802.3 1000BASE-SX/LX (1 Gb/s)
Fiber Channel FC-PH (1.062 Gb/s)
IEEE 802.3 10BASE-F (10 Mb/s)
IEEE 802.3 FOIRL (10 Mb/s)
FDDI (100 Mb/s)
ATM (155 Mb/s, 622 Mb/s, 1.2/2.4 Gb/s)

Standards
ISO/IEC 11801
EN 50173
Telcordia GR-409 & GR-20
ICEA S-104-696
ANSI/ICEA S-87-640
ETL, UL
OFNR/FT4, OFNP/FT6
ANSI/TIA/EIA-568-B.3
Outdoor Cable
Non-Armored

Features & Benefits

Dry Water-Blocking Technology
- Permits rapid cable preparation and termination
- Water-Blocking materials are easily removed

Flexible Buffer Tubes
- Increased flexibility and superior kink resistance
- Facilitates route management in closures
- Eliminates need for closure transportation tubes

Medium Density Polyethylene Jacket
- Low friction installation
- Excellent protection from environmental hazards

Reverse Oscillated Lay Stranding Method
- Facilitates access to fibers

All-Dielectric Construction
- No bonding or grounding required

Performance
- Meets or exceeds the requirements of Telcordia GR-20 and ICEA 640
- Tested in accordance with the relevant EIA/TIA-455 series FOTPs for fiber optic cables
- PE-90 compliant for applications that do not require mid-span tube storage

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber Count</td>
<td>2-12</td>
</tr>
<tr>
<td>Buffer Tube OD (mm)</td>
<td>2.65</td>
</tr>
<tr>
<td>Single Jacket Cable OD (mm / in)</td>
<td>10.8 / 0.43</td>
</tr>
<tr>
<td>Single Jacket Cable Weight (kg/km / lb/kft)</td>
<td>82 / 55</td>
</tr>
<tr>
<td>Single Jacket Max Length (m / ft)</td>
<td>12,800 / 41,984</td>
</tr>
<tr>
<td>Double Jacket Cable OD (mm / in)</td>
<td>13 / 0.51</td>
</tr>
<tr>
<td>Double Jacket Cable Weight (kg/km / lb/kft)</td>
<td>116 / 78</td>
</tr>
<tr>
<td>Double Jacket Max Length (m / ft)</td>
<td>12,800 / 41,984</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Bend Radius</td>
<td>20 x Cable OD</td>
</tr>
<tr>
<td>Static Bend Radius</td>
<td>10 x Cable OD</td>
</tr>
<tr>
<td>Installation Tensile Rating (N / lbf)</td>
<td>2700 / 600</td>
</tr>
<tr>
<td>Residual Tensile Rating</td>
<td>800 / 200</td>
</tr>
<tr>
<td>Short Term / Long Term Crush Resistance (N/cm / lbf/in)</td>
<td>220/110 / 125/63</td>
</tr>
<tr>
<td>Operation Temp Rating (C)</td>
<td>-40 to +70</td>
</tr>
<tr>
<td>Storage/Shipping Temp Rating (C)</td>
<td>-40 to +75</td>
</tr>
</tbody>
</table>
Outdoor Cable

Armored

Economical armored protection for lower fiber counts, ideal for multi-purpose aerial and underground use near the network edge.

Armored cable has an efficient design with a single central loose tube. A better fit and cost-effective alternative for low fiber count designs, this Central Loose Tube cable provides easy cable entry and flexible routing for multi-purpose installation of up to 12 fibers.

Features & Benefits

Easy Cable Entry & Preparation
- Adhesive bond armor protects & improves mid-entry
- Ripcord speeds cable entry & outer jacket removal
- Flexible buffer tube simplifies routing & splicing prep
- Proven water-blocking with dry core swellable binders

Flexible Routing and Termination
- Flexible strength members bend in any direction
- Small diameter & lightweight extends installation lengths
- Exclusive singlemode coating provides long-term results

Specifications

Applications: Multi-purpose Outdoor – Aerial Lashed, Duct, Direct Buried
Constructions: Central Loose Tube, Armored (single jacket)
Fiber Count: 2 to 12 fibers
Standards: ANSI / ICEA 640, IEC 60794-3-11, RUS 7 CFR 1755 (RUS LISTED), Telcordia GR20
Temperatures: Installation - 22 °F to +140 °F (-30 °C to +60 °C)
Operation - -40 °F to +158 °F (-40 °C to +70 °C)
Max Loads: Install: 600 lbf (2670 N), Operate: 180 lbf (800 N)

Cable Specifications

<table>
<thead>
<tr>
<th>Tube Construction</th>
<th>Fiber Count</th>
<th>Diameter (inches (mm))</th>
<th>Cable Weight (lb/kft) (kg/km)</th>
<th>Bend Radius No Load (inches (cm))</th>
<th>Bend Radius Load inches (cm)</th>
<th>Maximum Installation Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gel-Free</td>
<td>2 to 12</td>
<td>0.38 (9.7)</td>
<td>63 (94)</td>
<td>8 (20)</td>
<td>6 (15)</td>
<td>600 lbf (2670 N)</td>
</tr>
</tbody>
</table>

Fiber Information

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Wavelength (nm)</th>
<th>Attenuation (dB/km)</th>
<th>Bandwidth (MHz km)</th>
<th>1 GbE Distance (meters)</th>
<th>10 GbE Distance (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode</td>
<td>1310 / 1383 / 1550</td>
<td>0.35 / 0.35 / 0.25</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Singlemode Bend Insensitive</td>
<td>1310 / 1383 / 1550</td>
<td>0.35 / 0.35 / 0.25</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Multimode (62.5μm)</td>
<td>850/1300</td>
<td>3.5/1.0</td>
<td>200/500</td>
<td>300/550</td>
<td>33</td>
</tr>
<tr>
<td>Multimode (50μm)</td>
<td>850/1300</td>
<td>3.0/1.0</td>
<td>700/500</td>
<td>800/550</td>
<td>150</td>
</tr>
<tr>
<td>Multimode OM3 (50μm)</td>
<td>850/1300</td>
<td>3.0/1.0</td>
<td>1500/500</td>
<td>1000/550</td>
<td>300</td>
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<tr>
<td>Multimode OM4 (50μm)</td>
<td>850/1300</td>
<td>3.0/1.0</td>
<td>3500/500</td>
<td>1100/550</td>
<td>550</td>
</tr>
</tbody>
</table>
Outdoor Dielectric Flat Drop Cable

Features & Benefits

Easy Access Design
- The jacket can be easily opened with a knife and the included ripcords
- The buffer tube is easily separated from the jacket and strength members

All-Dielectric Messengers
- No bonding or grounding required
- Flexible and kink resistant

Dry Water-Blocking Technology
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

Versatile Design
- Small cross-section and high strength provide good aerial performance
- Can be pushed or pulled through duct
- Highly crush-resistant

Dual Strength Member Design
- More flexible than a single, all-dielectric rod of the same strength
- Easier to handle and coil than comparable all-dielectric Figure-8 designs
- A great alternative where steel strength members are not permissible

Medium Density Polyethylene Jacket
- Low friction installation
- Excellent protection from environmental hazards
- Sheath markings provide positive identification and length verification

Performance
- RDUP listed (tested in accordance with PE-90)

Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Dynamic Bend Radius</td>
<td>150 mm (5.9 inches)</td>
</tr>
<tr>
<td>Static Bend Radius</td>
<td>100 mm (3.9 inches)</td>
</tr>
<tr>
<td>Installation Load Tensile Rating</td>
<td>1336 N (300 lbf)</td>
</tr>
<tr>
<td>NESC Light Load District Span Rating</td>
<td>122 m (400 ft)</td>
</tr>
<tr>
<td>NESC Medium Load District Span Rating</td>
<td>76 m (250 ft)</td>
</tr>
<tr>
<td>NESC Heavy Load District Span Rating</td>
<td>46 m (150 ft)</td>
</tr>
<tr>
<td>Operation Temperature Rating</td>
<td>-40 to +70 C (-40 to +158 F)</td>
</tr>
<tr>
<td>Installation Temperature Rating</td>
<td>-30 to +60 C (-22 to +140 F)</td>
</tr>
<tr>
<td>Storage/Shipping Temperature Rating</td>
<td>-40 to +75 C (-40 to +167 F)</td>
</tr>
<tr>
<td>Buffer Tube OD</td>
<td>2.8 mm (0.11 in)</td>
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<tr>
<td>Cable Thickness</td>
<td>5.0 mm (0.20 in)</td>
</tr>
<tr>
<td>Cable Width</td>
<td>8.5 mm (0.33 in)</td>
</tr>
<tr>
<td>Cable Weight</td>
<td>39 kg/km (26 lbs/kft)</td>
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<tr>
<td>Max Cable Length</td>
<td>25,000 m (82,000 ft)</td>
</tr>
</tbody>
</table>