A Totally Dry-Core Cable Offering Superior Handling and Faster Deployments for Outdoor/Indoor and Tunnel Applications

Product Description

The AccuRibbon® DC TL Cable is a unique, totally dry, outdoor/indoor cable that allows significant savings on handling and installation time by containing absolutely no gels or messy filling compounds.

The construction of the AccuRibbon DC TL Cable begins with a central tube containing gel-free, water-blocking tape and either 12-fiber or 24-fiber AccuRibbon units. The central tube is then surrounded by an additional layer of water-blocking tape for extra water penetration resistance. To complete the construction, a low smoke/zero halogen (LSOH) jacket with integrated, dielectric strength members is applied. Ripcords are strategically located beneath the jacket for easy cable entry.

Why the AccuRibbon DC TL Cable?

With its innovative dry-core design, the AccuRibbon DC TL Cable helps facilitate streamlined cable handling and installation by (1) eliminating the need to clean messy filling compounds and (2) offering a reduced weight cable. Unlike traditional outside plant (OSP) fiber optic cables, the AccuRibbon DC TL Cable incorporates a patented, super-absorbent tape in the central tube that results in almost effortless splice preparation and a lower overall cable weight.

AccuRibbon DC TL Cable also combines the flame resistance and safety features of an indoor riser-rated cable with the rugged durability critical for OSP use. The result is a cable that also helps save on time and money by allowing OSP applications to flow seamlessly indoors, using a single cable and no splices. The UL 1666 rating means the AccuRibbon DC TL Cable passes riser rating and difficult flame tests designed to minimize hazardous smoke emissions, also making it an excellent solution for placement in tunnels.

Features and Benefits:

- A totally dry-core central tube containing a super-absorbent tape that absorbs over 100 times its own weight in water
- Unique, dual-purpose cable allows OSP applications to flow seamlessly indoors (one cable, no splices)
- Riser rated (UL 1666) and rated for low smoke/zero halogen (LSOH) applications; meets Telcordia Technologies standards
- Excellent tensile strength and crush performance
- AccuRibbon fiber units for maximum fiber density
- A significantly lower cable weight for faster and easier cable deployment
- Available with OFS application-specific fibers including AllWave® Zero Water Peak (ZWP) and TrueWave® RS Low Water Peak (LWP) Single-Mode Fibers
Specifications

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>12-48</th>
<th>60-144</th>
<th>156-216</th>
<th>264-432</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Outer Diameter – in. (mm)</td>
<td>0.51 (13)</td>
<td>0.61 (15.5)</td>
<td>0.71 (18)</td>
<td>0.84 (21.3)</td>
</tr>
<tr>
<td>Cable Weight – lb/kft (kg/km)</td>
<td>130 (193)</td>
<td>168 (250)</td>
<td>205 (305)</td>
<td>247 (367)</td>
</tr>
</tbody>
</table>

Performance Standard (all cables)

Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20 CORE Issue 3

Handling (all cables)

| Minimum Bend Radius, With Load* | 20 x OD |
| Minimum Bend Radius, With No Load* | 10 x OD |
| Minimum Bend Radius, Storage Coils* | 10 x OD |
| Maximum Rated Cable Load (MRCL) | 600 lbf (2700 N) |
| Maximum Long Term Load | 180 lbf (800 N) |

* OD = Outer Diameter of Cable

AccuRibbon DC TL Cable Ordering Information

Example: AT-3BE83XX-NNN1 (12 Fibers per Ribbon)

Part Number: AT- S1 S2 SF S3 S4 S5 S6 - NNN

S1 = Fiber Selection
3 = 1310/1550 nm (AllWave® ZWP Fiber)
6 = 1550 nm (TrueWave® RS LWP Fiber)
R = 850/1300 nm (Multimode Fiber)

S2 = Fiber Transmission Performance
B = 0.25/0.310/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm (AllWave ZWP)
2 = 0.25 dB/km @ 1550 nm (TrueWave RS LWP Fiber)
U = 3.4/1.0 dB/km and 200/500 MHz-km @ 850/1300 nm (62.5 µm Multimode)
K = 2.50.7 dB/km and 500/500 MHz-km @ 850/1300 nm (50 µm Multimode)

S3 = Sheath Construction
8 = All Central Core Products
3 = 12 Fibers per Ribbon AccuRibbon DC TL (≤ 216 fibers)
4 = 24 Fibers per Ribbon AccuRibbon DC TL (≥ 264 fibers)

S4 = Central Core Design

S5 = Sheath Design
X = Totally Dry All-Dielectric AccuRibbon DC TL

S6 = Central Core - Oversheath
X = No Oversheath

SF = Fiber Type
E = AllWave ZWP
9 = TrueWave RS LWP
2 = 62.5/125 µm Multimode
5 = 50/125 µm Multimode

NNN = Fiber Count = 12 to 216 (Dielectric) 208 to 432 (Dielectric)

1 Part Number shown is for standard AllWave ZWP attenuation and standard cable print:
Maximum AllWave ZWP attenuation: 0.25/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm
Standard Print, example for AccuRibbon DC TL Cable:
OFS OPTICAL CABLE AT-3BE83XX-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #]

2 Contact OFS Order Management for information on other cable variations, including additional fiber types, attenuation, and custom cable print.