

Lose the Gel!

A Completely Dry Cable for Faster and Cleaner Fiber Deployments

Product Description

At first glance, you might not recognize an AccuRibbon® DC Cable. That's because it uses the same robust sheath as its cable cousin, the gel-filled AccuRibbon LXE Cable. However, once you open the patented core of an AccuRibbon DC Cable, the difference between a gel-filled and a completely dry cable is clear. The core of the all-dry AccuRibbon DC Cable contains absolutely no gels or messy filling compounds, which eliminates the costly labor of removing gel and oil from each fiber ribbon prior to splicing and helps your tools and your workspace stay cleaner.

The construction of the AccuRibbon DC Cable begins with its dry central core tube, which contains a gel-free, water-blocking tape and either up to eighteen 12-fiber AccuRibbon units (12 to 216 fibers) or up to eighteen 24-fiber AccuRibbon units (264 to 432 fibers). Surrounding the central tube is an additional layer of water-blocking tape and an optional layer of armor. Completing the construction of the AccuRibbon DC Cable is a high-density polyethylene (HDPE) jacket with integrated metallic or dielectric strength members. Ripcords are strategically located beneath the jacket for easy cable entry.

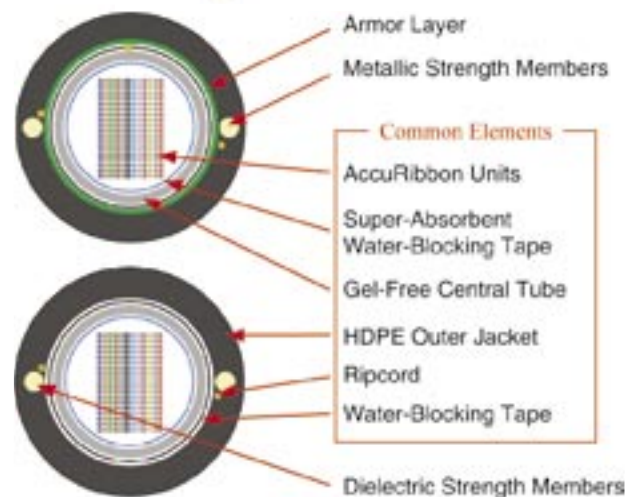
Why the AccuRibbon DC Cable?

With its innovative dry-core design, the AccuRibbon DC Cable is specifically engineered for faster, cleaner installation. Unlike traditional outside plant fiber optic cables that use gels in direct contact with optical fibers, the AccuRibbon DC Cable replaces the gel inside the central tube with a super-absorbent tape that provides water blocking "on demand". The absence of gels results in almost effortless splice preparation and a lower overall cable weight. Why not lose the gel today?

In addition to being gel free, AccuRibbon units support the use of mass-fusion splicing to speed termination. The inherent high fiber density of AccuRibbon units also helps to maximize the number of fibers that can be deployed in available duct space. Deploying the most fibers possible in a limited space and terminating them quickly and cheaply are critical to cost-effective deployments – AccuRibbon DC Cables can help you do both.

AccuRibbon DC Cable with Metallic Sheath

AccuRibbon DC Cable with Dielectric Sheath



Features and Benefits:

- Totally dry, gel-free cable design for cleaner, faster installations
- A significantly lighter weight cable for faster and easier cable deployment
- AccuRibbon core maximizes fibers per duct and supports mass-fusion splicing
- Metallic and dielectric sheath options support lashed aerial, direct buried, and duct installations
- Up to 432 fibers, and still small enough for a one inch duct!
- Compliant with ANSI/ICEA, Telcordia (Bellcore), and IEC specifications for reliable performance
- Available with OFS AllWave® Zero Water Peak (ZWP) Single-Mode Fiber, as well as TrueWave® Single-Mode Fibers.

Technical Information

Specifications								
	Dielectric Sheath				Metallic (Armored) Sheath			
Fiber Count	12 to 48	60 to 144	156 to 216	264 to 432	12 to 48	60 to 144	156 to 216	264 to 432
Cable Outside Diameter – mm (in.)	13 (0.51)	15.5 (0.61)	18 (0.71)	19.8 (0.78)	13 (0.51)	15.5 (0.61)	18 (0.71)	21.3 (0.84)
Cable Weight – kg/km (lb/kft)	117 (78)	163 (110)	200 (134)	284 (190)	163 (110)	218 (147)	248 (166)	336 (225)
Performance Standard								
Tested per Applicable Requirements of ANSI/ICEA S-87-640/Telcordia (formerly Bellcore) GR-20-CORE, Issue 2								
Handling								
Minimum Bend Diameter, With Load	40 x D				40 x D			
Minimum Bend Diameter, With No Load	20 x D		30 x D		20 x D		30 x D	
Minimum Bend Diameter, Storage Coils*	20 x D – Minimum of 46 cm (18")			40 x D	20 x D – Minimum of 46 cm (18")			40 x D
Maximum Rated Cable Load (MRCL)	2700 N (600 lbf)				2700 N (600 lbf)			
Maximum Long Term Load	800 N (180 lbf)				800 N (180 lbf)			
Temperature:	Installation: -30°C to 60°C (-22°F to 140°F) Operation: -40°C to 70°C (-40°F to 158°F) Storage: -40°C to 75°C (-40°F to 167°F)							
* D = Outside Diameter of Cable								

Ordering Information

Fiber Type	Cable Code	
	Dielectric Sheath	Metallic (Armored) Sheath
AllWave ZWP Single-Mode Fiber	12 to 216 fibers (with 12-fiber ribbons): AT-3BE833X-NNN	12 to 216 fibers (with 12-fiber ribbons): AT-3BE83SX-NNN
	264 to 432 fibers (with 24-fiber ribbons): AT-3BE843X-NNN	264 to 432 fibers (with 24-fiber ribbons): AT-3BE84SX-NNN
1. NNN = Fiber count (012 to 432) 2. Part number shown is for standard attenuation and cable print: • Standard Attenuation, Maximum: 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm • Standard Print, example (Dielectric Sheath): OFS OPTICAL CABLE AT-3BE833X-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #] 3. Contact OFS Customer Service for information on other cable variations, including custom print, attenuation, and other types of fiber.		

Lose the Gel! The AccuRibbon DC Cable is another example of OFS' innovative spirit to deliver best-in-class fiber optic cables that are easier to handle, install, and terminate. When you can choose an all-purpose, all-dry cable like the AccuRibbon DC Cable, why keep the mess? Lose the gel today!

For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com> or call 1-888-fiberhelp.

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