

Maximizing Fiber Density in A Compact Package for Premium Rights-of-Way

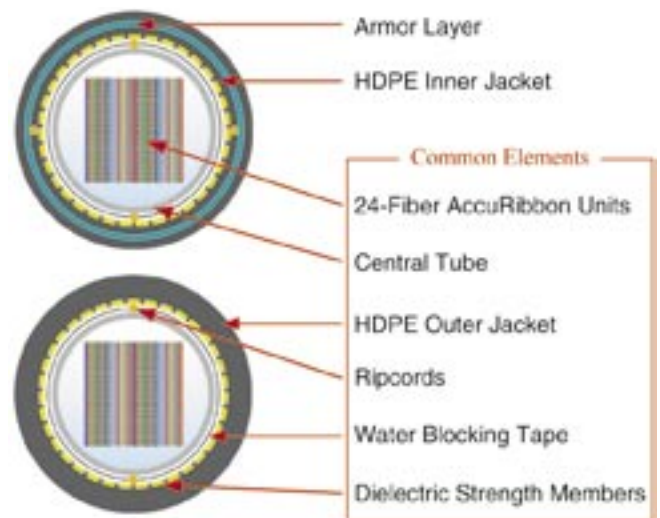
Product Description

Designed to offer the maximum number of fibers in the smallest cable package possible, AccuRibbon DuctSaver® Cables provide up to 864 fibers in a cable sheath that is still compact enough to be installed in standard innerducts. In network segments for which rights-of-way are limited or are expensive to build-out, it is often desirable to complete a one-time installation of as many fibers as possible in whatever innerduct is available. AccuRibbon DuctSaver Cables are designed specifically for these premium rights-of-way.

The construction of these cables begins with a central tube containing up to 36 AccuRibbon units, each unit consisting of 24 fibers, for a maximum of 864 fibers. Surrounding the ribbons inside the central tube is a specially engineered waterblocking compound. Additional resistance to water penetration is provided by a layer of waterblocking tape placed around the outside of the central tube. Next, a layer of dielectric strength members is helically applied, with a second layer of reinforced dielectric strength members applied helically in the opposite direction. Ripcords are located within the outer layer of strength members for easy sheath removal. The AccuRibbon DuctSaver Cable with a Dielectric Sheath is completed with a jacket made of high density polyethylene (HDPE), which provides extra protection in hostile environments and a low coefficient of friction to speed duct installations. The AccuRibbon DuctSaver Cable with a Metallic Sheath adds a layer of 0.15 mm (0.006 in.) corrugated electrolytically chrome coated steel (ECCS) over the outer polyethylene jacket of the Dielectric Sheath design. The Metallic Sheath option is then completed with a second HDPE jacket.

AccuRibbon DuctSaver Cable with Metallic Sheath

AccuRibbon DuctSaver Cable with Dielectric Sheath



Why the AccuRibbon DuctSaver Cable?

The best-in-class compact size of an AccuRibbon DuctSaver Cable makes it the perfect cable solution for deployments in which duct space is at a premium and high fiber counts are needed. The cable's robust sheath design will easily withstand standard installation procedures in lashed aerial, buried, and underground environments.

In addition to the installation advantages provided by its high fiber density and compact size, an AccuRibbon DuctSaver Cable provides improved splicing productivity and fiber storage. The 24-fiber ribbons can easily be divided into two robust 12-fiber sub-units and mass fusion spliced. The time savings

Features and Benefits:

- Best-in-class cable design for high fiber count deployments in premium duct space
- Metallic and dielectric sheath options to support lashed aerial, underground, and duct installations
- Available with OFS AllWave® Zero Water Peak (ZWP) Single-Mode Fiber, as well as TrueWave® Single-Mode Fibers.

associated with mass fusion splicing of 12-fiber units can improve splicing productivity (over single-fiber splicing) by a factor of 4 to 1 and thus reduce installation costs by a factor of 2 to 1. Further, cable end and midspan entry is simplified. All fibers are accessible once the sheath is removed, and routing and storage within fiber closures is simplified by the

use of 24-fiber AccuRibbon units rather than twice as many 12-fiber ribbon units.

Technical Information

Specifications				
Fiber Count	Dielectric Sheath		Metallic (Armored) Sheath	
		264 to 576	744 to 864	264 to 576
Cable Outside Diameter – mm (in.)	19.1 (0.75)	24.4 (0.96)	22.6 (0.89)	NA
Cable Weight – kg/km (lb/kft)	283 (190)	471 (316)	437 (294)	NA
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			
Minimum Bend Diameter, With No Load*	30 x D			
Minimum Bend Diameter, Storage Coils*	40 x D			
Maximum Rated Cable Load (MRCL)	2700 N (600 lbf)			
Maximum Long Term Load	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	AT-3BE8RFX-NNN	AT-3BE8RYD-NNN
1. NNN = Fiber count (264 to 576)		
2. Part number shown is for standard attenuation and cable print: <ul style="list-style-type: none"> Standard Attenuation, Maximum: 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm Standard Print, example (Dielectric Sheath): OFS OPTICAL CABLE AT-3BE8RFX-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.		

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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osp-103-0705

