

Maximizing the Benefits of Microduct Installations

Product Description

The AccuRibbon DuctSaver® FX Cable offers an ideal solution for microcable installations where you want to retain the benefits of mass-fusion splicing.

Designed to offer the same benefits as other microcables, AccuRibbon DuctSaver FX Cable provides up to 48 fibers for 10/8 mm microduct installations and up to 72 fibers for installations into 12/10 mm microducts. For applications that can accommodate a larger 15/12 mm microduct, an AccuRibbon DuctSaver FX Cable is available with up to 96 fibers.

The AccuRibbon DuctSaver FX Cable is a “micro” version of OFS’ AccuRibbon DuctSaver Cable. The construction of the microduct cable begins with a central tube containing the AccuRibbon ribbon units. Surrounding the ribbons inside the central tube is a specially engineered water-blocking compound. Next, a layer of dielectric strength members is helically applied. This layer includes both fiberglass rods and fiberglass yarns. The yarns contain a super-absorbent powder that provides resistance to water penetration along the cable sheath. Ripcords are also located within the layer of strength members for easy sheath removal. The AccuRibbon DuctSaver FX Cable is then completed with a jacket made of high density polyethylene (HDPE), which provides extra protection in hostile environments and, most importantly, a low coefficient of friction to speed installation into a microduct.

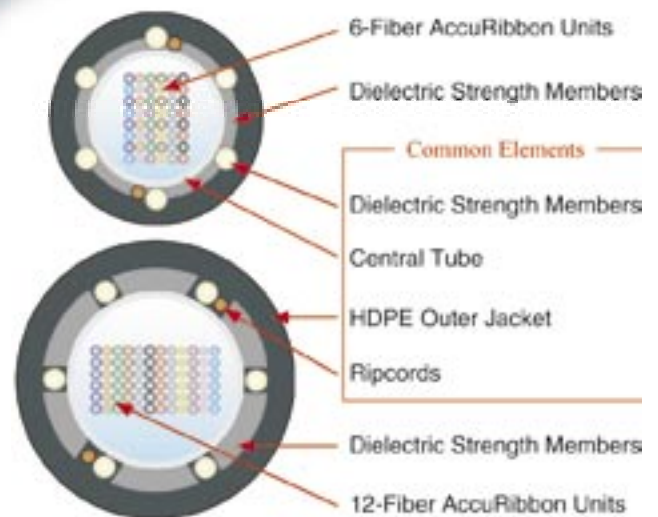
Why the AccuRibbon DuctSaver FX Cable?

With its compact, flexible sheath finished with an HDPE jacket and its ribbon-based core, the AccuRibbon DuctSaver FX Cable is uniquely designed to maximize the most important advantages of an air blown microduct installation – rapid deployment and turn up of service! Microduct installations offer numerous benefits for upgrades to existing underground plant in which duct space is limited or is partially occupied by previously installed cables. In addition, mass fusion splicing of fiber ribbons is a proven time-saver in getting customer service up and running quickly. With the AccuRibbon DuctSaver FX microcable, the benefits of ribbon splicing and rapid duct installation are rolled into one cable.

The AccuRibbon DuctSaver FX Cable is another example of OFS’ innovative drive to deliver best-in-class fiber optic cables that are easier to handle, install, and terminate. Realize the benefits of microcables in your network today!

48-f AccuRibbon DuctSaver FX Cable – 6-Fiber Ribbon in a 10/8 mm Microduct

72-f AccuRibbon DuctSaver FX Cable – 12-Fiber Ribbon in a 12/10 mm Microduct



Features and Benefits:

- Designed for microduct installations
- HDPE jacket for optimized air-blown installation performance
- Ribbon core to support mass fusion splicing
- All-dielectric construction provides safer cable installation and maintenance
- Compliant with ICEA, Telcordia, and IEC specifications for reliable performance
- Standard with OFS AllWave® Zero Water Peak (ZWP) Single-Mode Fiber

Technical Information

Specifications			
	Cable for 10/8 mm Microducts	Cable for 12/10 mm Microducts	Cable for 15/12 mm Microducts
Fiber Count	6 to 48	12 to 72	84 to 96
Fibers per Ribbon	6	12	12
Cable Outside Diameter – mm (in.)	5.8 (0.23)	7.5 (0.30)	9.2 (0.36)
Cable Weight – kg/km (lb/kft)	31 (21)	49 (33)	77 (52)
Performance Standard			
Test Reference	Tested per Relevant Tests of IEC 60794	Tested per Relevant Tests of ANSI/ICEA S-87-640-1999/Telcordia (Bellcore), 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) N (lbf)	600 (135)	1335 (300)	1335 (300)
Maximum Long Term Load N (lbf)	300 (67)	400 (90)	400 (90)
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		
	6 to 48 fibers (with 6-fiber ribbons):	12 to 72 fibers (with 12-fiber ribbons):	84 to 96 fibers (with 12-fiber ribbons):
AllWave ZWP Single-Mode Fiber	AT-3BE8M4X-NNN	AT-3BE8G4X-NNN	AT-3BE8G4X-NNN
1. <i>NNN</i> = 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 (cable with 12-fiber ribbon): OFS OPTICAL CABLE AT-3BE8G4X-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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