

AccuRibbon[®] LXE Cable



A Furukawa Company

Robust Ribbon Cable Helps Maximize Fiber Density in a Compact Package for Premium Spaces

Product Description

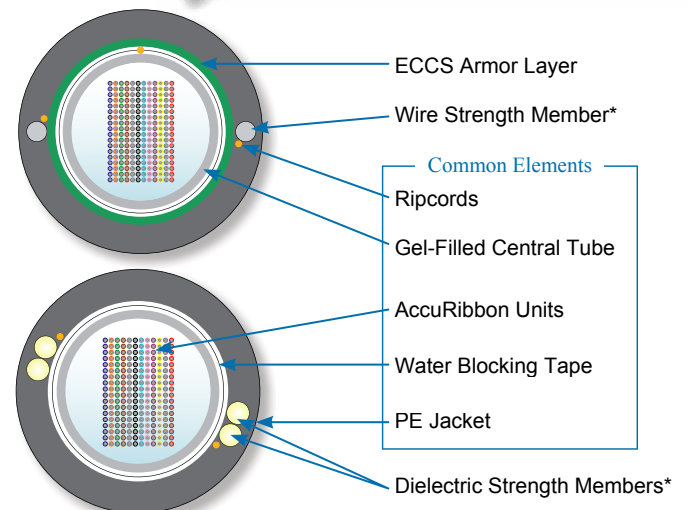
When reliability counts, you can count on AccuRibbon[®] LXE Fiber Optic Cable. Specifically designed for the loop distribution market, the LXE cable simplifies mid-span cable access and entry while maximizing fiber density where space is at a premium. Available in both Dielectric (LXE-DE) and Metallic (LXE-ME) sheath options, the AccuRibbon LXE Cable offers excellent optical, mechanical and environmental performance in a compact and easy-to-install design.

The construction of the AccuRibbon LXE Cable begins with a gel-filled core tube containing either 12-fiber or 24-fiber AccuRibbon fiber units. Surrounding the central core tube is a layer of water-blocking tape and an optional layer of armor. Completing the construction of the AccuRibbon LXE Cable is a durable polyethylene (PE) jacket with either integrated dielectric or metallic strength members. Ripcords are strategically located beneath the jacket for easy cable entry.



AccuRibbon LXE Metallic Cable

AccuRibbon LXE Dielectric Cable



* **Note:** Dielectric cables contain 4 strength rods; Metallic cables feature 2 rods.

Why the AccuRibbon LXE Cable?

The AccuRibbon LXE Fiber Optic Cable offers a robust, yet compact and easy-to-install cable that helps protect your network in harsh outside plant (OSP) environments. With two design options from which to choose, there's an LXE cable that's right for your application.

The small size and high strength-to-weight ratio of the AccuRibbon LXE Cable helps simplify installation, especially in limited duct space. The durable PE outer jacket allows faster deployment (through a lower coefficient of friction) and optimum cable core protection in hostile environments.

AccuRibbon fiber units support the use of mass fusion splicing to streamline fiber termination, and the inherent high fiber density of these units also helps to maximize the number of fibers that can be deployed in available duct space. The LXE Cable also helps promote craft productivity by enabling easy mid-span fiber access without

Features and Benefits:

- Compact and easy-to-install cable offers excellent tensile strength and crush performance
- High strength-to-cable weight ratio helps simplify installation
- Easy mid-span cable access and entry promotes craft productivity
- AccuRibbon fiber units provide maximum fiber density plus the benefits of mass fusion splicing
- Dielectric and metallic sheath options support lashed aerial, underground and duct installations
- Meets Telcordia GR-20 Standards
- Available with OFS AllWave[®] Zero Water Peak (ZWP) Single-Mode Fiber, TrueWave[®] RS Low Water Peak (LWP) Single-Mode Fibers and Multimode Fibers

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Specifications									
Fiber Count	Dielectric Sheath*					Metallic Sheath*			
	12-48	60-144	156-216	264-432	576-864	12-48	60-144	156-216	264-432
Cable Outer Diameter – in. (mm):	0.50 (12.6)	0.55 (13.9)	0.65 (16.5)	0.78 (19.8)	0.90 (22.8)	0.51 (13.0)	0.61 (15.5)	0.71 (18.0)	0.84 (21.3)
Cable Weight – lb/kft (kg/km):	98 (146)	115 (171)	151 (225)	209 (310)	280 (417)	117 (174)	153 (227)	194 (289)	232 (345)

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

Handling				
Fiber Count	12-240		264-864	
Minimum Bend Radius, With Load:	20 x OD**			
Minimum Bend Radius, With No Load:	10 x OD		20 x OD	
Minimum Bend Radius, Storage Coils:	10 x OD†		20 x OD	
Maximum Rated Cable Load (MRCL):	600 lbf (2700 N)		600 lbf (2700 N)	
Maximum Long Term Load:	180 lbf (800 N)		180 lbf (800 N)	
Temperature:	Installation: -22° F to 140° F (-30° C to 60° C) Operation: -40° F to 158° F (-40° C to 70° C) Storage: -40° F to 167° F (-40° C to 75° C)			

Notes: * Dielectric cables feature 4 rods; Metallic cables feature 2 rods ** OD = Outer Diameter of Cable † Minimum of 9 in. (23 cm)
See OFS Installation Procedure 042 for sheath preparation and coiling instructions.

AccuRibbon LXE Cable Ordering Information

Example: AT-3BE8G3X-NNN¹ (dielectric) AT-3BE8GSX-NNN¹ (metallic/armored)

Fiber ²	Sheath	Core	Fiber Count
Part Number: AT- S1 S2 SF S3 S4 S5 S6 - NNN			
S1 = Fiber Selection	SF = Fiber Type²	S5 = Sheath Design	
3 = 1310/1550 nm (AllWave® ZWP Single-Mode Fiber)	E = AllWave ZWP Single-Mode Fiber	3 = All-Dielectric AccuRibbon	
6 = 1550 nm (TrueWave® RS LWP Single-Mode Fiber)	6 = TrueWave RS LWP	S = Armored AccuRibbon	
R = 850/1300 nm (Multimode Fiber)	9 = 62.5/125 µm Multimode	S6 = Central Core – Oversheath	
S2 = Fiber Transmission Performance	2 = 50/125 µm Multimode	X = No Oversheath	
B = 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm (AllWave ZWP/ AllWave FLEX ZWP)	S3 = Sheath Construction	NNN = Fiber Count	
2 = 0.25 dB/km @ 1550 nm (TrueWave RS LWP)	8 = All Central Core Products	= 12-864 (Dielectric LXE)	
U = 3.4/1.0 dB/km and 200/500 MHz-km @ 850/1300 nm (62.5 µm Multimode)	S4 = Cable Core Design	= 12-432 (Metallic LXE)	
K = 2.5/0.7 dB/km and 500/500 MHz-km @ 850/1300 nm (50 µm Multimode)	G = 12 Fiber Gel-Filled AccuRibbon LXE (≤ 216 fibers)		
	R = 24 Fiber Gel-Filled AccuRibbon LXE (≥ 240 fibers)		

¹ Part Number shown is for standard AllWave ZWP attenuation and standard cable print:
Maximum AllWave ZWP attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km (1310/1385/1490/1550/1625 nm)
Standard Print, example (AccuRibbon LXE-DE Cable):

OFS OPTICAL CABLE AT-3BE8G3X-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #]

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

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damaging the cable's strength members, helping to maintain a 600-pound (2700 N) tensile strength rating. For the metallic version, this capability also helps maintain electrical continuity.

The AccuRibbon LXE Cable is a prime cabling solution for installations where duct space is at a premium and high fiber counts are needed. It is an excellent choice for distribution, access, metro and long haul applications, and for lashed aerial, buried and underground (direct or duct) installation environments.

AccuRibbon, AllWave and TrueWave are registered trademarks of OFS FITEL, LLC.

For additional information please contact your sales representative. You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA.

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