



A Furukawa Company

AccuRibbon® LXE Cable

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



AccuRibbon LXE
Metallic Cable

AccuRibbon LXE
Dielectric Cable

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 application-specific fibers including AllWave® Zero Water Peak (ZWP) and AllWave+ Single-Mode, TrueWave® RS Low Water Peak (LWP) Single-Mode and Multimode Fibers

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.

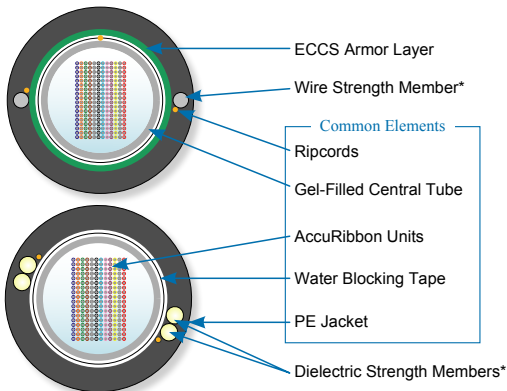
Why the AccuRibbon LXE Cable?

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 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.



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

Specifications										
Fiber Count:	Dielectric Sheath*					Metallic Sheath*				
	12-48	60-144	156-216	264-576	720-864	12-48	60-144	156-216	264-576	720-864
Outer Diameter - in. (mm)	0.51 (132.6)	0.55 (13.9)	0.65 (16.5)	0.78 (19.8)	0.95 (24.1)	0.51 (13.0)	0.61 (15.5)	0.71 (18.0)	0.84 (21.4)	1.05 (26.6)
Weight - lb/kft (kgm/km)	105 (156)	124 (185)	162 (241)	211 (314)	303 (451)	116 (173)	152 (226)	193 (287)	314 (467)	390 (581)

Performance Standard

The AccuRibbon LXE Cable is tested and meets all or portions of applicable ANSI/ICEA S-87-640 and Telcordia GR-20-CORE Issue 4 requirements.

Handling

Fiber Count:	12-240	264-864	12-240	264-864
Minimum Bend Radius, With Load:	20 x OD**		20 x OD	
Minimum Bend Radius, With No Load:	10 x OD	20 x OD	10 x OD	20 x OD
Minimum Bend Radius, Storage Coils:	10 x OD†	20 x OD	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)	

Notes: *Dielectric Cables feature 4 rods. Metallic cables feature 2 rods. See OFS Installation Procedure 042 for sheath preparation and coiling instructions. **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)

** OD = Outer Diameter of Cable † Minimum of 9 in. (23 cm)

Fiber Type²

Single-Mode Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Fiber Standards	Wavelengths (nm)	Typical * Attenuation (dB/km)	Maximum Cable on Reel Attenuation (dB/km)
AllWave® ZWP Fiber	3	B	E	G.652.D	1310/1385/1550	-	0.35/0.31/0.25
AllWave+ ZWP Fiber	3	C	E	G.652.D/G.657.A1	1310/1385/1550	-	0.35/0.31/0.25
AllWave FLEX ZWP Fiber	5	B	E	G.652.D/G.657.A1	1310/1385/1550	-	0.35/0.31/0.25
AllWave One Fiber	3	F	E	G.652.D/G.657.A1	1310/1385/1550	0.33/0.31/0.19	0.35/0.31/0.22
TrueWave® RS LWP Fiber	6	2	6	G.655.C&D	1550	0.21	0.25
TeraWave Fiber	6	2	R	G.654.B	1550	0.20	0.25
Multimode Fiber							
62.5 µm Fiber	R	U	9	OM1 62.5 µm	850/1300	-	3.4/1.0
LaserWave® FLEX 300 Fiber	L	F	2	OM3 50 µm	850/1300	-	2.4/0.7
LaserWave FLEX 550 Fiber	L	H	2	OM4 50 µm	850/1300	-	2.4/0.7

AccuRibbon LXE Central Core Ribbon Cable Ordering Information

Example: AT-3BE83GX-NNN¹ (Dielectric) AT-3BE8GSX-NNN¹ (Metallic) Part Number: AT- S1 S2 SF S3 S4 S5 S6 - NNN

S1 = Fiber Selection See S1 in Fiber Type table above	S3 = Sheath Construction 8 = All Central Core Products	S5 = Sheath Design 3 = All-Dielectric AccuRibbon S = Armored AccuRibbon
S2 = Fiber Transmission Performance See S2 in Fiber Type table above	S4 = Central Core Design G = 12 Fiber Gel-Filled AccuRibbon LXE (≤ 216 fibers) R = 24 Fibers Gel-Filled AccuRibbon LXE (≥ 264 fibers)	S6 = Central Core - Oversheath X = No Oversheath
SF = Fiber Type² See SF in Fiber Type table above		NNN = Fiber Count = 012 to 864 (Dielectric) 012 to 864 (Metallic)

¹ Part Number shown is for a AccuRibbon LXE Cable with 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 for AccuRibbon LXE Cable: OFS OPTICAL CABLE AT-3BE83GX-NNN [MM-YY] (UL) US TYPE OFNR [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

³ Contact your OFS Customer Care Representative on the positioning of ribbon requirements if TeraWave Fiber is being ordered.

NOTE: For more information regarding typical attenuation as well as attenuation parameters on Link Design Value (LDV) (Maximum end-to-end attenuation over a concatenated span), please see OFS Application Note AN-111 which can be downloaded at www.ofsoptics.com or contact your OFS representative.

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) USA or 1-770-798-5555 outside the USA.



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