

AccuRibbon® DC TL Cable



A Furukawa Company

A Totally Dry-Core Cable Offering Superior Handling and Faster Deployments for Outdoor/Indoor and Tunnel Applications

Product Description

The AccuRibbon® DC TL Cable is a unique, totally dry, outdoor/indoor cable that allows significant savings on handling and installation time by containing absolutely no gels or messy filling compounds.

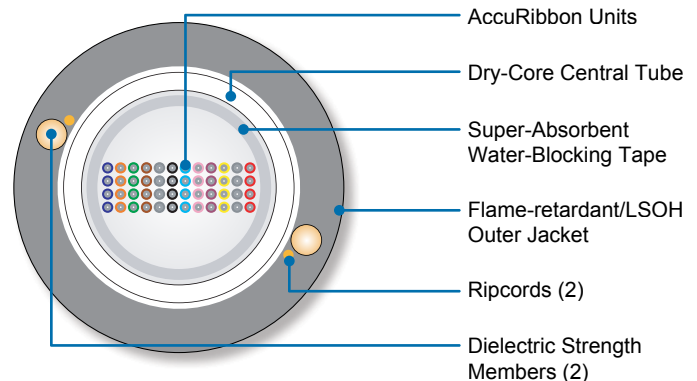
The construction of the AccuRibbon DC TL Cable begins with a central tube containing gel-free, water-blocking tape and either 12-fiber or 24-fiber AccuRibbon units. The central tube is then surrounded by an additional layer of water-blocking tape for extra water penetration resistance. To complete the construction, a low smoke/zero halogen (LSOH) jacket with integrated, dielectric strength members is applied. Ripcords are strategically located beneath the jacket for easy cable entry.

Why the AccuRibbon DC TL Cable?

With its innovative dry-core design, the AccuRibbon DC TL Cable helps facilitate streamlined cable handling and installation by (1) eliminating the need to clean messy filling compounds and (2) offering a reduced weight cable. Unlike traditional outside plant (OSP) fiber optic cables, the AccuRibbon DC TL Cable incorporates a patented, super-absorbent tape in the central tube that results in almost effortless splice preparation and a lower overall cable weight.

AccuRibbon DC TL Cable also combines the flame resistance and safety features of an indoor riser-rated cable with the rugged durability critical for OSP use. The result is a cable that also helps save on time and money by allowing OSP applications to flow seamlessly indoors, using a single cable and no splices. The UL 1666 rating means the AccuRibbon DC TL Cable passes riser rating and difficult flame tests designed to minimize hazardous smoke emissions, also making it an excellent solution for placement in tunnels.

AccuRibbon DC TL Cable



AccuRibbon DC TL Cable Cross-Section

Features and Benefits:

- A totally dry-core central tube containing a super-absorbent tape that absorbs over 100 times its own weight in water
- Unique, dual-purpose cable allows OSP applications to flow seamlessly indoors (one cable, no splices)
- Riser rated (UL 1666) and rated for low smoke/zero halogen (LSOH) applications; meets Telcordia Technologies standards
- Excellent tensile strength and crush performance
- AccuRibbon fiber units for maximum fiber density
- A significantly lower cable weight for faster and easier cable deployment
- Available with OFS application-specific fibers including AllWave® Zero Water Peak (ZWP) and TrueWave® RS Low Water Peak (LWP) Single-Mode Fibers

Specifications

Fiber Count	12-48	60-144	156-216	264-432
Cable Outer Diameter – in. (mm)	0.51 (13)	0.61 (15.5)	0.71 (18)	0.84 (21.3)
Cable Weight – lb/kft (kg/km)	130 (193)	168 (250)	205 (305)	247 (367)

Performance Standard (all cables)

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

Handling (all cables)

Minimum Bend Radius, With Load*	20 x OD	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)
Minimum Bend Radius, With No Load*	10 x OD	
Minimum Bend Radius, Storage Coils*	10 x OD	
Maximum Rated Cable Load (MRCL)	600 lbf (2700 N)	
Maximum Long Term Load	180 lbf (800 N)	

* OD = Outer Diameter of Cable

AccuRibbon DC TL Cable Ordering Information

Example: **AT-3BE83XX-NNN**¹ (12 Fibers per Ribbon)

Part Number: AT-		Fiber ²	Sheath	Core	Fiber Count
		<u>S1</u> <u>S2</u> <u>SF</u> <u>S3</u> <u>S4</u>	<u>S5</u> <u>S6</u>	- <u>NNN</u>	
S1 = Fiber Selection		SF = Fiber Type²		S5 = Sheath Design	
3 = 1310/1550 nm (AllWave® ZWP Fiber)		E = AllWave ZWP		X = Totally Dry All-Dielectric	
6 = 1550 nm (TrueWave® RS LWP Fiber)		6 = TrueWave RS LWP		AccuRibbon DC TL	
R = 850/1300 nm (Multimode Fiber)		9 = 62.5/125 µm Multimode		S6 = Central Core - Oversheath	
		2 = 50/125 µm Multimode		X = No Oversheath	
S2 = Fiber Transmission Performance		S3 = Sheath Construction		NNN = Fiber Count =	
B = 0.35/0.31/0.27/0.25/0.27 dB/km @		8 = All Central Core Products		12 to 216 (Dielectric)	
1310/1385/1490/1550/1625 nm (AllWave ZWP)				264 to 432 (Dielectric)	
2 = 0.25 dB/km @ 1550 nm (TrueWave RS LWP)		S4 = Central Core Design			
U = 3.4/1.0 dB/km and 200/500 MHz-km @		3 = 12 Fibers per Ribbon AccuRibbon DC TL (≤ 216 fibers)			
850/1300 nm (62.5 µm Multimode)		4 = 24 Fibers per Ribbon AccuRibbon DC TL (≥ 264 fibers)			
K = 2.5/0.7 dB/km and 500/500 MHz-km @					
850/1300 nm (50 µm Multimode)					

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 for AccuRibbon DC TL Cable:

OFS OPTICAL CABLE AT-3BE83XX-NNN [MM-YY] [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.



Use electronic files, available at:
www.ofsoptics.com - Use less paper

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.

OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice.

This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.

Copyright © 2012 OFS FITEL, LLC.
All rights reserved, printed in USA.

OFS
Marketing Communications
osp-138-0512



A Furukawa Company

