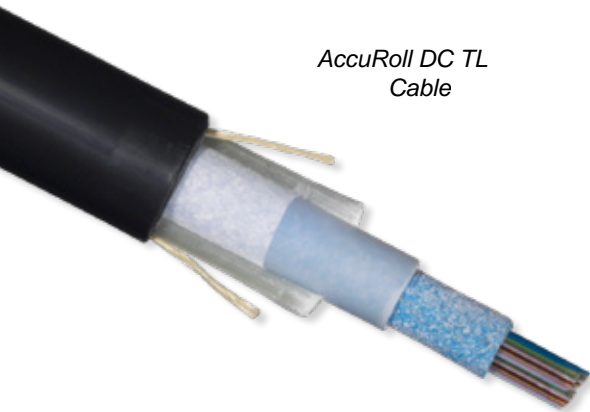




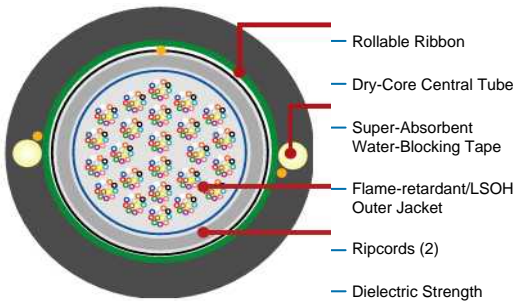
A Furukawa Company

AccuRoll® DC TL Cable

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



AccuRoll DC TL Cable



AccuRibbon DC TL Cable Cross-Section

Features and Benefits

- A totally dry-core central tube that contains 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

Product Description

The AccuRoll® 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 AccuRoll DC TL Cable begins with a central tube containing gel-free, water-blocking tape and 12-fiber AccuRoll Ribbons 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 AccuRoll DC TL Cable?

With its innovative dry-core design, the AccuRoll 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 AccuRoll 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.

AccuRoll 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 AccuRoll 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.

Specifications

Fiber Count:	12-72	84-156	168-252	264-384	396 - 540	552 - 864
Outer Diameter - in. (mm)	0.46 (11.7)	0.5 (12.7)	0.54 (13.7)	0.58 (14.7)	0.61 (15.7)	0.71 (18)
Weight - lb/kft (kgm/km)	50 (75)	55 (83)	52 (77)	50 (76)	51 (76)	52 (77)

Performance Standard

Tested per Applicable Requirements of ANSI/ICEA S-87-696, CCA and Telcordia GR-20 CORE Issue 4.

Handling

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)	

* NOTE: OD = Outer Diameter of Cable

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® Flex ZWP Fiber (200 um)	8	G	E	G.652.D / G.657.A1	1310/1385/1550	0.35/0.3/0.22	0.4/0.4/0.3

AccuRoll DC TL Central Core Ribbon Cable Ordering Information

Example: AT-8GE8WXX-NNN¹ Part Number: AT-S1 S2 SF S3 S4 S5 S6 - NNN

- S1 = Fiber Selection**
See S1 in Fiber Type table above
- S2 = Fiber Transmission Performance**
See S2 in Fiber Type table above
- SF = Fiber Type²**
See SF in Fiber Type table above
- S3 = Sheath Construction**
8 = All Central Core Products
- S4 = Central Core Design**
W = 200 μm Gel-free Rollable Ribbon
- S5 = Sheath Design**
X = Totally Gel-Free All-Dielectric AccuRibbon DC TL
- S6 = Central Core - Oversheath**
X = No Oversheath
- NNN = Fiber Count = 12 to 864**

¹ Part Number shown is for a AccuRoll DC TL Cable with standard AllWave Flex ZWP 200 μm attenuation and standard cable print. Maximum AllWave ZWP attenuation: 0.4/0.4/0.3 dB/km @ 1310/1385/1550 nm
Standard Print, example for AccuRoll DC TL Cable: OFS OPTICAL CABLE AT-8GE8WXX-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.