

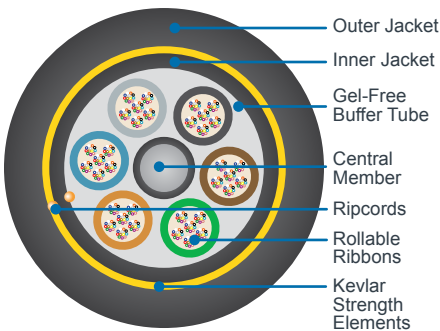


## PowerGuide® AccuTube®+ Rollable Ribbon (RR) ADSS Cable

Double Jacket Self Supporting (ADSS) Aerial Loose Tube Cable with Rollable Ribbon



PowerGuide AccuTube+  
432-Fiber RR ADSS Cable



PowerGuide AccuTube+ RR ADSS Cable

### Features

- Outstanding carrying capacity for ultra-high-density applications
- Rugged loose tube design features OFS rollable ribbon technology in individual polypropylene buffer tubes
- Completely gel-free design
- Easily identifiable ribbon print marking using blocks and bars
- Meets the mechanical and optical requirements of IEEE-1222-2019, Telcordia GR-20 Issue 4 and ANSI/ICEA S-87-640 for outside plant (OSP) fiber optic cables
- 144-864 fiber counts available

### Benefits

- Outstanding optical performance, durability and field reliability
- Rollable ribbon structure helps facilitate efficient mass fusion splicing and easy

access to individual fibers for mid-span splice access

- Loose tube design enables rugged installation performance and easier ribbon access versus alternative rollable ribbon cable designs
- Excellent performance for span lengths up to 1,000 feet (300 meters)\* depending on sag and loading conditions

### Eco-friendly benefits

- On high fiber count cables, rollable ribbon cables can cut shipping related CO2 emissions by half versus flat ribbon cables.
- Rollable Ribbon cable reduce the carbon footprint by being on smaller reels and requiring less material manufacture.

### Product Description

The PowerGuide AccuTube+ Rollable Ribbon (RR) ADSS Cable is a totally gel free, double jacket, all dielectric self supporting cable featuring 144 fibers up to 864 optical fibers in a ribbon in loose tube cable design. OFS combines its leading ADSS cable design with its field proven rollable ribbon technology offering mass fusion ribbon splicing. To form these ribbons, individual 250 µm fibers are partially bonded to each other at predetermined points. These ribbons are placed into a totally dry and flexible buffer tube to construct a loose tube cable construction suitable for self-support aerial installations. Aramid yarns in the cable jacket as strength members allows potential for increased cable spans in a lighter and smaller cable construction.

### Why the PowerGuide AccuTube+ RR ADSS Cable?

With up to 864 fibers in a single cable, the PowerGuide AccuTube+ RR ADSS Cable offers exceptional carrying capacity for high-growth, high-bandwidth applications. This cable's rollable ribbon design helps users achieve highly efficient and cost-effective mass fusion splicing along with easy individual fiber breakout.

The PowerGuide AccuTube+ RR ADSS Cable features the same high performance and reliability as it's flat ribbon gel filled counterparts with the added benefit of improved labor costs and splicing times by removing the gel. The PowerGuide AccuTube+ RR ADSS offers significantly lower overall cable weight, resulting in easier handling and lower operating tensions on poles. This reduction in cable weight and operating tensions may enable the use of less costly, lighter duty attachment hardware.



OFS has partnered with Sonoco EcoReel, North America's largest producer and recycler of reels, to provide a free reel removal service for OFS cable customers.



## PowerGuide® AccuTube®+ Rollable Ribbon (RR) ADSS Cable

Specifications		
<b>Fiber Count</b>	<b>144-432</b>	<b>576-864</b>
<b>Cable Outer Diameter - in. (mm)</b>	0.85 (21.5)	1.00 (25.4)
<b>Cable Weight - lb/kft (kg/km)</b>	222 (330)	296 (440)
<b>Buffer Tube Diameter - in. (mm)</b>	0.18 (4.5)	0.24 (6.0)
Handling (All Fiber Counts)		
<b>Minimum Bend Radius, with Load</b>	15 x OD (Outer Diameter)	
<b>Minimum Bend Radius, with No Load</b>	15 x OD (Outer Diameter)	
<b>Minimum Bend Radius, Storage Coils</b>	15 x OD (Outer Diameter)	
<b>Rated Installation Load</b>	1000 lb. (4448 N)	
<b>Maximum Long-Term Load</b>	3331 lb. (1481 N)	

Performance Standard (All Fiber Counts)	
Tested per Applicable Requirements of IEEE-1222-2019, ANSI/ICEA S-87-640 and Telcordia GR-20 CORE Issue 4.	
Temperature (All Fiber Counts)	
<b>Installation</b>	-22 °F to 140 °F (-30 °C to 60 °C)
<b>Operation</b>	-40 °F to 158 °F (-40 °C to 70 °C)
<b>Storage</b>	-40 °F to 167 °F (-40 °C to 75 °C)

Fiber Type <sup>2</sup>							
Single-Mode Optical Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Fiber Standards	Wavelengths (nm)	Typical* Attenuation (dB/km)	Maximum Cable on Reel Attenuation (dB/km)
<b>AllWave®+ ZWP Optical Fiber</b>	3	G	E	G.652.D/ G.657.A1	1310/1385/1550	0.35/0.3/0.22	0.4/0.4/0.3

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

### PowerGuide AccuTube+ RR ADSS Cable Ordering Information

Example: AT-3GE275T-*nnn*-[E1][E2][E3][E4]

Part Number: AT - *S1 S2 SF S3 S4 S5 S6* - *NNNN*

<b>S1 = Fiber Selection</b> See S1 Fiber Table above	<b>S3 = Sheath Construction</b> 2 = Double Jacket ADSS	<b>S6 = Fibers per Buffer Tube (12-Fiber Ribbons)</b> T = 72 Fibers/Tube (432 Fiber) T = 144 Fibers/Tube (864 Fiber)
<b>S2 = Fiber Transmission Performance</b> See S2 Fiber Table above	<b>S4 = Tensile Load</b> 7 = PowerGuide AccuTube+ RR	
<b>SF = Fiber Type<sup>2</sup></b> See SF Fiber Table above	<b>S5 = Core Type</b> 5 = Gel-Free Loose Tube RR in 4.5 mm Tubes (432 Fiber) 5 = Gel-Free Loose Tube RR in 6.0 mm Tubes (864 Fiber)	<b>NNN = Fiber Count</b> 144 to 864 Cable

<sup>1</sup> Part Number shown is for an PowerGuide AccuTube+ Rollable Ribbon ADSS Cable with standard AllWave+ ZWP Optical Fibers and standard cable print. **[MM/YY] (UL) US TYPE OFNR [HANDSET SYMBOL] [NNN] F [SERIAL #]**

<sup>2</sup> Contact OFS Order Management for information on other cable variations including additional fiber types, fiber counts, attenuation and custom cable print.



For additional information please contact your sales representative.

You can also visit our website at [www.ofsoptics.com](http://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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OFS Marketing Communications  
DOC ID: osp-191 Date: 3/24

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