



A Furukawa Company

# AccuTube® Rollable Ribbon (RR) Indoor/Outdoor Building Cable

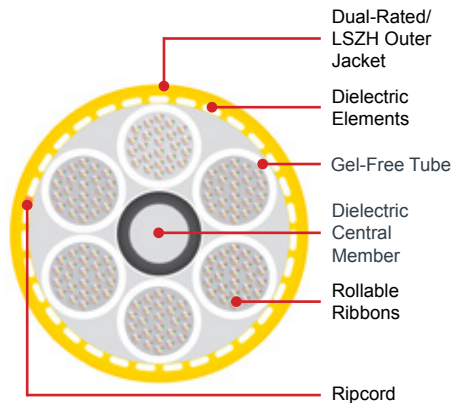
Ultra-High Density Building Cable Offers a Compact, Flexible Cable Design for Data Center Applications



AccuTube Rollable Ribbon Indoor/Outdoor Building Cable

## Features and Benefits

- Outstanding carrying capacity for ultra-high-density applications in HyperScale Data Centers and Central Offices
- Rugged tube design features OFS rollable ribbon technology
- Completely gel-free design
- Features 1728 fibers
- Standard ribbon print marking with numbers and blocks for identification
- Meets the mechanical and optical requirements of Telcordia GR-20 Issue 4 and ANSI/ICEA S-87-640 for outside plant (OSP) fiber optic cables
- Dual Flame Rating (OFNR and CPR rated); UL-1666 and FT4 CPR 82ca
- Low Smoke Zero Halogen (LSZH) materials
- Ribbon design enables smaller cable outer diameter (OD) and reduced weight versus comparable flat ribbon cable designs
- Rollable ribbon structure helps facilitate efficient mass fusion splicing and easy access to individual fibers
- Tube design enables efficient access to ribbons and easier ribbon management
- Gel-free construction helps facilitate faster cable preparation
- Excellent waterblocking allows use in both indoor or outdoor applications



AccuTube Rollable Ribbon Indoor/Outdoor Building Cable Cross-section

## Product Description

The AccuTube Rollable Ribbon (RR) Indoor/Outdoor Building Cable features 1728 optical fibers in a gel-free, tube-based cable design. This cable features rollable ribbons, the newest optical fiber ribbon design from OFS. To form these ribbons, individual 250 μm fibers are partially bonded to each other at predetermined points.

## Why the AccuTube RR Indoor/Outdoor Building Cable?

The AccuTube RR Indoor/Outdoor Building Cable offers exceptional fiber density and flexibility in a unique, flame-rated cable structure. Designed for the growing demands of ultra-dense, 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. This capability helps to simplify installation and save on labor costs. This cable also helps to reduce indoor ladder rack congestion by condensing multiple routes of lower-count cables into a single high-density pathway.

The AccuTube RR Indoor/Outdoor Building Cable's ribbons may be "rolled" (compacted) and routed like individual fibers to facilitate use in smaller splice trays. In addition, this cable's completely gel-free waterblocking design also helps to reduce the time required to prepare cable ends and achieve mid-span access, which can also help to lower labor and splice costs.



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Specifications	
<b>Fiber Count</b>	<b>1728</b>
<b>Cable Outer Diameter - in. (mm)</b>	1.00 (25.4)
<b>Core Tube - in. (mm)</b>	0.28 (7.2)
<b>Cable Weight - lb/kft (kg/km)</b>	425 (634)
<b>CPR Rating</b>	B2ca-s1a,d0,a1
<b>DoP Lookup:</b> www.ofs-sales.com/cpr/	ATIO-1728-A-D
Minimum Recommended Bend Diameters	
<b>Static Condition/Unloaded (installed) - in. (mm)</b>	10 x OD*
<b>Dynamic Condition/Loaded (during installation) - in. (mm)</b>	40 x OD.
<b>Storage Coils - in. (mm)</b>	40 x OD.
* NOTE: OD = Outer Diameter of Cable	
Performance Standard	
The AccuTube RR Indoor/Outdoor Building Cable meets all or portions of Telcordia GR-20 CORE Issue 4 and ANSI/ICEA S-87-640. Dual-rated cables are UL listed as compliant with NEC Article 770 as Type OFNR.	
Handling	
<b>Temperature</b>	<b>Installation:</b> -4 °F to 140 °F (-20 °C to 60 °C)
	<b>Operation:</b> -40 °F to 158 °F (-40 °C to 70 °C)
	<b>Storage:</b> -40 °F to 158 °F (-40 °C to 70 °C)
<b>Compressive Strength</b>	220 N/cm
<b>Maximum Tensile Rating lb. (N)</b>	600 (2670)
<b>Maximum Long-Term Load lb. (N)</b>	333 (1412)

## AccuTube Rollable Ribbon Building Cable Ordering Information

Example: ATIO-1728A-WDY-4<sup>1</sup>

Part Number: ATIO - *NNNNA* - *WXY* - *Z*

**ATIO** = AccuRiser Rollable Ribbon Indoor/Outdoor Cable

**NNNN** = Fiber Count = 1728

**A** = Initial Release Version

**W** = Fiber Type (see chart)

**X** = Jacket Type

**D** = Dual-Rated Low Smoke/Zero Halogen (UL 1666, FT4 and CPR rated)

**Y** = Jacket Color<sup>2</sup>

**K** = Black

**Y** = Yellow

**Z** = Maximum Cable Attenuation (see chart)

## Fiber Type

Code	Description
<b>A</b>	AllWave®+ ZWP Bend-Optimized Single-Mode Optical Fiber (G.657.A1)
<b>W</b>	AllWave <i>FLEX</i> + ZWP Bend-Optimized Single-Mode Optical Fiber (G.657.A2)

## Maximum Cable Attenuation

Single-Mode Optical Fiber (dB/km)	1310 nm	1550 nm	MCA (Z)
AllWave+ ZWP Bend-Optimized Single-Mode Optical Fiber (G.657.A1)	0.5	0.5	5
AllWave <i>FLEX</i> + ZWP Bend-Optimized Single-Mode Optical Fiber (G.657.A2)	0.4	0.3	4

\* **NOTE:** Installed attenuation values shall be at or below those listed above.

- Part Number shown is for an AccuTube Rollable Ribbon Indoor/Outdoor Building Cable with 1728 AllWave *FLEX*+ ZWP Optical Fibers and standard cable print.

**OFS G.657.A2 I/O OPTICAL CABLE -C- ATIO-1728A-WDY-4 OFNG-FT4-ST1 c (UL) OFNR-LS LSZH CPR [MM/YY] [Lot No] [LENGTH IN FEET]**

- 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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