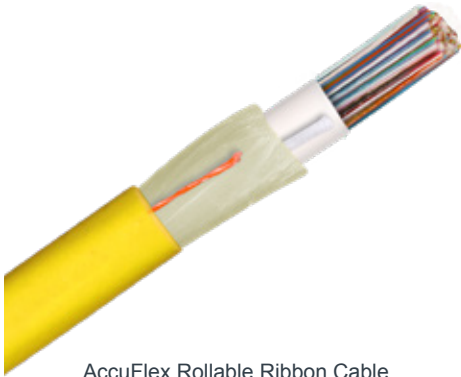




A Furukawa Company

# AccuFlex® Rollable Ribbon Cable

Ultra-Compact and Flexible, Rollable Ribbon Cable Combines the Benefits of Flat Ribbons and Loose Fibers



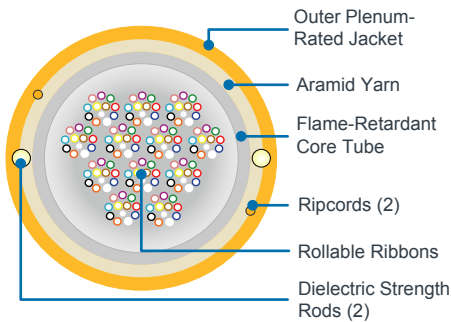
AccuFlex Rollable Ribbon Cable

## Features

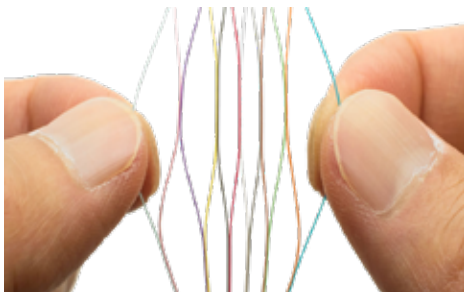
- Ultra-compact, round rollable ribbon design
- Fiber counts of 12-144 and 288
- Flexible, plenum-rated cable
- ROHS-compliant and free of heavy metals
- Available with OFS AllWave® FLEX+ Zero Water Peak (ZWP) (G.657.A2) or AllWave®+ Fibers (G.652.D + G.657.A1)

## Benefits

- Delivers the highest fiber density relative to cable size
- Offers durability and enhanced compression resistance
- Flexibility of cable promotes ease of handling and installation to help speed deployment
- Ribbon fibers can be easily separated into single fibers or mass fusion spliced



AccuFlex Rollable Ribbon Cable Cross-section



With Rollable Ribbon technology, individual fiber breakout is easier than with flat ribbons.

## Product Description

The AccuFlex Rollable Ribbon Cable was specifically designed to offer the benefits of both traditional flat fiber ribbons and loose fibers in one cable. This highly compact cable features rollable ribbon technology, the newest optical fiber ribbon design from OFS. To form these ribbons, individual 250 µm fibers are partially bonded to each other at intermittent points.

## Why the AccuFlex Rollable Ribbon Cable?

The AccuFlex Rollable Ribbon Cable was designed to offer the highest fiber density possible relative to cable size with a highly flexible cable jacket. The result is an ultra-compact and dense cable that requires less space, allowing installers to double the density of existing pathways vs. standard flat ribbon cable designs.

This cable features 12-fiber rollable ribbons that help to facilitate efficient mass fusion splice-in-place operations and easy access to individual fibers. This capability can help to get a new data center or central office deployment up and running quickly.

The strong yet flexible, plenum-rated AccuFlex Rollable Ribbon Cable helps to prevent installation issues including packing density, routing and speed of deployment. This cable's flame rating also meets the demands of NFPA 262, thereby allowing installation into air-handling spaces.

In all, the AccuFlex Rollable Ribbon Cable offers an outstanding solution for data centers/central offices and head ends. It is also an excellent choice for high-bandwidth applications that use single-mode optical fiber.



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## AccuFlex® Rollable Ribbon Cable

Specifications		
<b>Fiber Count</b>	<b>12-144</b>	<b>288</b>
<b>Cable Outer Diameter - in. (mm)</b>	0.38 (9.6)	0.48 (12.1)
<b>Cable Weight - lb/kft (kgm/km)</b>	65 (97)	75 (112)
<b>Minimum Bend Radius in. (mm)</b>		
<b>With Load - 20X OD:</b>	7.6 (192)	9.6 (242)
<b>No Load - 8X OD:</b>	3.0 (77)	3.8 (96.8)
<b>Maximum Cable Attenuation</b>		
<b>1310 nm</b>	0.4 dB/km	0.4 dB/km
<b>1550 nm</b>	0.3 dB/km	0.3 dB/km
<b>Maximum Tensile Rating lb. (N)</b>	300 (1335)	300 (1335)
<b>Flame Performance</b>	NEC Compliant UL Listed as compliant with NFPA 262 and UL 910 for Plenum use. Jacket Marking: OFNP FT6 c(UL) OFNP.	

**Performance Standard**

The AccuFlex Rollable Ribbon Cable meets all or portions of Telcordia GR-409/ICEA-S-83-696/ICEA-S-104-696/ICEA-S-115-730 and TIA-568. Plenum-rated cables are UL® listed as compliant with NEC® Article 770 as Type OFNP and with NFPA 262 and UL 910 for plenum use.

Handling	
<b>Temperature</b>	<b>Installation:</b> -32 °F to 158 °F (0 °C to 70 °C)
	<b>Operation:</b> -4 °F to 158 °F (-20 °C to 70 °C)
	<b>Storage:</b> -40 °F to 158 °F (-40 °C to 70 °C)

### AccuFlex Rollable Ribbon Cable Ordering Information

Example: AFRR-144A-WPY-4<sup>1</sup>

Part Number: AFRR- *NNN* *A* - *W* *X* *Y* - *Z*

<b>AFRR</b>	= AccuFlex Rollable Ribbon Cable
<b>NNN</b>	= Fiber Count 144 or 288
<b>A</b>	= Initial Release Version
<b>W</b>	= Fiber Type (see chart) <sup>2</sup>
<b>X</b>	= Jacket Material (flame retardant) <b>P</b> = Plenum
<b>Y</b>	= Jacket Color <sup>2</sup> <b>Y</b> = Yellow
<b>Z</b>	= Maximum Cable Attenuation (see chart)

Fiber Type <sup>2</sup>	
Code	Description
Single-Mode Optical Fiber	
<b>W</b>	AlliWave® FLEX+ ZWP Bend-Optimized Optical Fiber (G.657.A2)
<b>A</b>	AlliWave+ ZWP Bend-Optimized Optical Fiber (G.657.A1)

Maximum Cable Attenuation*			
Single-Mode Optical Fiber (dB/km)	1310 nm	1550 nm	MCA (Z)
AlliWave FLEX+ ZWP Bend-Optimized Optical Fiber	0.4	0.3	4
AlliWave+ ZWP Bend-Optimized Optical Fiber	0.4	0.3	4

- Part Number shown is for an AccuFlex Rollable Ribbon Cable with 144 AlliWave FLEX+ ZWP Optical Fibers and standard cable print.  
OFS ALLWAVE® FLEX+ ZWP BIF G.657.A2 OPTICAL CABLE -C-AFRR-144A-WPY-4 9/125 OFNP FT6 C(UL) OFNP {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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