



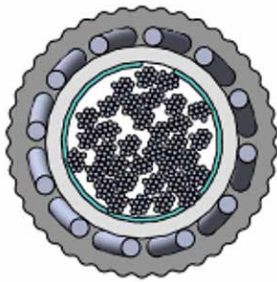
A Furukawa Company

## RollIR™ Central Core Rollable Ribbon Fiber Optic Microcable

Increased Fiber Density and Improved Cable Coiling for Performance You Can Count On



RollIR Central Core Rollable Ribbon Fiber Optic Microcable



RollIR Central Core RR Fiber Optic Microcable Cross-Section

### Features

- Optimized for air-blown, microduct installation
- Reduced outer diameter and high fiber density
- 288 Fiber Count: 250  $\mu\text{m}$  AllWave®+
- 432 Fiber Count: 200  $\mu\text{m}$  AllWave FLEX Optical Fiber (ITU G.652.D/G.657.A1)
- Complies with IEC-60794-5-10

### Benefits

- Rollable ribbons help enable smaller cable outer diameter (OD) and reduced weight versus traditional ribbon cable designs
- Fast and easy installation helps to lower deployment costs
- Maximizes capacity in limited spaces
- Optimized for fast, cost-effective mass fusion splicing
- Eliminates need for excavation and procuring right-of-way

### Product Description

The RollIR CC Rollable Ribbon (RR) Microcable features 288 or 432 optical fibers in a gel-free, central core cable design optimized for micro-duct installations. The cable features rollable ribbons, OFS' newest optical fiber ribbon design. To form these ribbons, individual 200 or 250  $\mu\text{m}$  fibers are partially bonded to each other at predetermined points which enables the benefit of mass fusion splicing capabilities in a significantly smaller cable diameter to maximize fiber density in congested networks. The cable design features a central tube construction with helical strength elements for improved handling and installation capabilities in air assist installation deployments. Specifically designed for air-blown installation using microduct systems, the rifled outer jacket cable reduces cable friction during installation to maximize installation lengths.

### Why the RollIR Central Core Rollable Ribbon Fiber Optic Microcable?

Every element of the RollIR Central Core RR Cable's was designed to offer high fiber density while helping to speed of deployment. The rollable ribbon design helps users to 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. In addition, the RollIR Central Core RR Cable's greater fiber density can help to expand the capacity of existing pathways using smaller, lower-cost duct systems.

The RollIR Central Core RR Cable's ribbons may be 'rolled' (compacted) and routed like individual fibers to facilitate use in smaller closures and splice trays.

In addition, the cable's completely gel-free water-blocking design also helps to reduce the time required to prepare cable ends which can also help with reduced labor and splice costs. With its ability to maximize duct utilization, the RollIR RR CC Cable is an excellent choice for connecting the next generation of fiber networks.



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# RollR™ Central Core Rollable Ribbon Fiber Optic Microcable

Specifications		
Fiber Count	288	432
Cable Outer Diameter - in. (mm)	0.39" (10)	0.39" (10)
Cable Weight - lb/kft (kg/km)	53.6 (79.7)	54.2 (80.6)
Handling (All Fiber Counts)		
Minimum Bend Radius, with Load	20 x OD	
Minimum Bend Radius, with No Load	20 x OD	
Minimum Bend Radius, Storage Coils	20 x OD	
Maximum Rated Cable Load (MRCL)	400 lbf	
Maximum Long-Term Load	120 lbf	
Performance Standard (All Fiber Counts)		
Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20 CORE Issue 4.		
Temperature		
Installation	-22 °F to 140 °F (-30 °C to 60 °C)	
Operation	-40 °F to 167 °F (-40 °C to 75 °C)	
Storage	-40 °F to 167 °F (-40 °C to 75 °C)	
<b>NOTE:</b> The RollR Cable is not recommended for aerial applications.		

RollR CC RR Microcable Ordering Information	
Example: AT-8GE8WAX-432 <sup>1</sup>	
Part Number: AT - <u>S1</u> <u>S2</u> <u>SF</u> <u>S3</u> <u>S4</u> <u>S5</u> <u>S6</u> - <u>NNNN</u>	
<b>S1 = Fiber Selection</b>	See S1 in Fiber Type table below.
<b>S2 = Fiber Transmission Performance</b>	See S2 in Fiber Type table below.
<b>SF = Fiber Type<sup>2</sup></b>	See SF in Fiber Type table below.
<b>S3 = Sheath Construction</b>	8 = All Central Core Products
<b>S4 = Central Core Design</b>	W = 200 µm Gel-Free Rollable Ribbon (432-Fiber) Y = 250 µm Gel-Free Rollable Ribbon (288-Fiber)
<b>S5 = Sheath Design</b>	A = RollR Microcable Sheath
<b>S6 = Central Core - Oversheath</b>	X = No Oversheath
<b>NNN = Fiber Count</b>	288 or 432

Fiber Type <sup>2</sup>						
Single-Mode Optical Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Standard	Typical Attenuation (dB/km)	Max. Cable on Reel Attenuation (dB/km)
<b>AllWave+ Optical Fiber (250 µm)</b>	3	G	E	G.652.D/	0.35/	0.4/
				G.657.A1	0.3/	0.4/
<b>AllWave FLEX ZWP Optical Fiber (200 µm)</b>	8	G	E	G.652.D/	0.35/	0.4/
				G.657.A1	0.3/	0.4/
					0.22	0.3

<sup>1</sup> Part Number shown is for a RollR Rollable Ribbon 432-Fiber Microcable with 200 µm AllWave FLEX ZWP Optical Fiber attenuation: 0.4/0.4/0.3 dB/km @ 1310/1385/1550 nm and standard cable print.  
**OFS OPTICAL CABLE AT-8GE8WAX-NNN [MM/YY] (UL) [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.

**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](http://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](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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