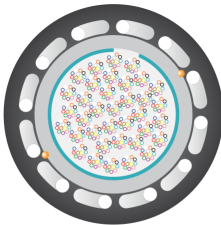




RollR® Central Core Rollable Ribbon Fiber Optic Microcable

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

*** BEAD COMPLIANT
* AVAILABLE**



RollR Central Core RR Fiber Optic
Microcable Cross-Section

Features

- Optimized for air-blown, microduct installation
- Reduced outer diameter and high fiber density
- 200 μm AllWave®+ Optical Fiber and 250 μm 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

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.



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

Product Description

The RollR CC Rollable Ribbon (RR) Microcable features 144, 288 or 432 optical fibers in a gel-free, central core cable design optimized for micro-duct installations. The cable features rollable ribbons, Lightera's newest optical fiber ribbon design. To form these ribbons, individual 200 μm or 250 μm 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 RollR Central Core Rollable Ribbon Fiber Optic Microcable?

Every element of the RollR 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 RollR Central Core RR Cable's greater fiber density can help to expand the capacity of existing pathways using smaller, lower-cost duct systems.

The RollR 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 RollR RR CC Cable is an excellent choice for connecting the next generation of fiber networks.

Specifications

Fiber Count	144	288	432
Cable Outer Diameter - in. (mm)	0.31" (8)	0.39" (10)	0.39" (10)
Cable Weight - lb/kft (kg/km)	31.8 (47.3)	51.2 (76.2)	52.7 (78.4)
Fiber Size	250 μm	200 μm	200 μm
Handling (All Fiber Counts)			
Minimum Bend Radius, with Load	24 Inches		
Minimum Bend Radius, with No Load	24 Inches		
Minimum Bend Radius, Storage Coils	18 Inches		
Maximum Rated Cable Load (MRCL)	300 lbf		
Maximum Long-term Load	120 lbf		
Performance Standard (all Fiber Counts)	Tested per applicable requirements ANSI/ICEA S-122-744.		
Temperature			
Storage	-40 °F to 158 °F (-40 °C to 70 °C)		
Operation	-40 °F to 158 °F (-40 °C to 70 °C)		
Installation	-22 °F to 140 °F (-30 °C to 60 °C)		
Note	The RollR Cable is not recommended for aerial applications.		

RollR CC RR Microcable Ordering Information

Example	AT-3GE8YAX-144¹	
Part Number	AT S1 S2 SF S3 S4 S5 S6 – NNN	
S1	Fiber Selection. See S1 in Fiber Type table below.	
S2	Fiber Transmission Performance. See S2 in Fiber Type table below.	
SF	Fiber Type ² . See SF in Fiber Type table below.	
S3	Sheath Construction. 8 = All Central Core Products	
S4	Cable Core Design. Y = 144F 250 µm Gel-Free Rollable Ribbon W = 288F or 432F 200 µm Gel-Free Rollable Ribbon	
S5	Sheath Design. A = RollR Microcable Sheath	
S6	Central Core - Oversheath. X = No Oversheath	
NNN	Fiber Count: 144, 288 or 432	
Fiber Type²		
Single-mode Optical Fiber	AllWave+ Optical Fiber (250 µm)	AllWave FLEX ZWP Optical Fiber (200 µm)
Fiber (S1)	3	8
Fiber (S2)	G	G
Fiber (SF)	E	E
Fiber Standards	G.652.D/G.657.A1	G.652.D/G.657.A1
Wavelengths	1310/1385/1550	1310/1385/1550
Typical Attenuation (dB/km)	0.35/0.3/0.22	0.35/0.3/0.22
Max. Cable on Reel Attenuation (dB/km)	0.4/0.4/0.3	0.4/0.4/0.3
Note	¹ LIGHTERA OPTICAL CABLE AT-3GE8YAX-NNN [MM/YY] [HANDSET SYMBOL] [NNN] F [SERIAL #] ² Contact Lightera Order Management for information on other cable variations including additional fiber types, fiber counts, attenuation and custom cable print. For more information regarding typical attenuation as well as attenuation parameters on Link Design Value (LDV) (Maximum end-to-end attenuation over an concatenated span), please see Lightera Application Note AN-111 which can be downloaded at www.lightera.com or contact your Lightera representative.	
Contact Information	For additional information please contact your sales representative. You can also visit our website at www.lightera.com or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.	
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Purchase orders must clearly identify specific products requiring compliance with BABAA for BEAD requirements. BABAA for BEAD compliant products will have unique part numbers to distinguish them from non-compliant versions. For details, refer to the Lightera list of BABAA for BEAD Compliant Products listed at <https://www.lightera.com/babaa-for-bead-compliant-products/>

Customer is required to comply with all BABAA for BEAD requirements applicable to it. Lightera will, at its sole discretion, fulfill orders requested by Customer and will not be liable for errors in product selection, delivery or warehousing which result in the installation of non-BABAA for BEAD compliant products into BEAD funded infrastructure projects.
