

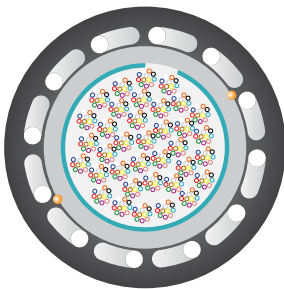


RollR® Central Core Rollable Ribbon Fiber Optic Microcable

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



RollR Central Core Rollable Ribbon Fiber Optic Microcable



RollR Central Core RR Fiber Optic Microcable Cross-Section



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.

Features

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

Product Description

The RollR CC Rollable Ribbon (RR) Microcable features 144 or 288 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 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.



RollR® Central Core Rollable Ribbon Fiber Optic Microcable

Specifications		
Fiber Count	144	288
Cable Outer Diameter - in. (mm)	0.31" (8)	0.39" (10)
Cable Weight - lb/kft (kg/km)	31.8 (47.3)	51.2 (76.2)
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 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 - NNNN

S1 = Fiber Selection See S1 in Fiber Type table below.
S2 = Fiber Transmission Performance See S2 in Fiber Type table below.
SF = Fiber Type² See SF in Fiber Type table below.
S3 = Sheath Construction 8 = All Central Core Products
S4 = Central Core Design Y = 250 µm Gel-Free Rollable Ribbon
S5 = Sheath Design A = RollR Microcable Sheath
S6 = Central Core - Oversheath X = No Oversheath
NNN = Fiber Count 144 or 288

Fiber Type ²							
Single-Mode Optical Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Standard	Wavelengths	Typical Attenuation (dB/km)	Max. Cable on Reel Attenuation (dB/km)
AllWave+ Optical Fiber (250 µm)	3	G	E	G.652.D/ G.657.A1	1310/ 1385/ 1550	0.35/ 0.3/ 0.22	0.4/ 0.4/ 0.3

¹ OFS OPTICAL CABLE AT-3GE8YAX-NNN [MM/YY] [HANDSET SYMBOL] [NNN] F [SERIAL #]

² 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 or contact your OFS representative.



For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



FURUKAWA
SOLUTIONS

Copyright © 2024 OFS Fitel, LLC.
All rights reserved, printed in USA.

OFS Marketing Communications
DOC ID: osp-190 Date: 03/24

For a full list of our certifications, visit our website.



AllWave and RollR are registered trademarks of OFS Fitel, LLC. OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.