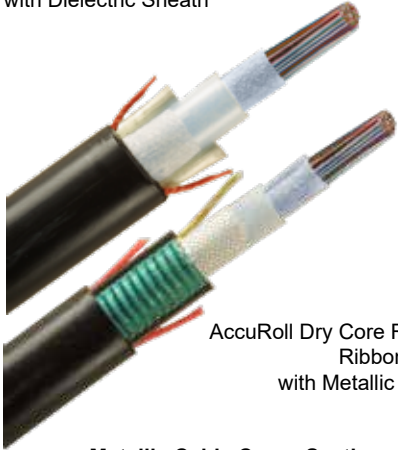




AccuRoll™ Dry Core (DC) Rollable Ribbon Fiber Optic Cable

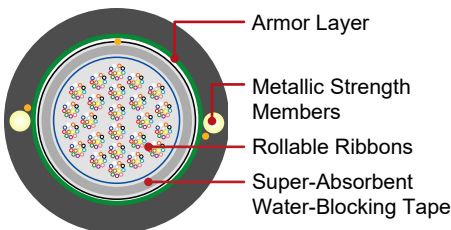
Increased Fiber Density and Improved Cabling Coiling for Performance You Can Count On

AccuRoll Dry Core Rollable Ribbon Cable with Dielectric Sheath

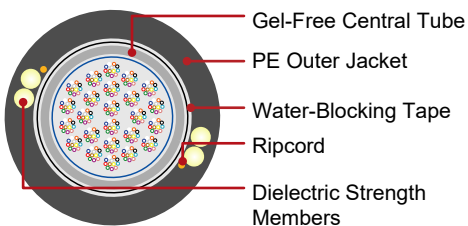


AccuRoll Dry Core Rollable Ribbon Cable with Metallic Sheath

Metallic Cable Cross-Section
(features 2 strength rods)



Dielectric Cable Cross-Section
(features 4 strength rods)



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 and Benefits

- First and only central core rollable ribbon cable design with linear strength elements and a central core tube as a protective layer around the ribbons
- Robust and familiar central core cable design optimized for strength and cost effectiveness
- Maximum cable length offerings based on processing parameters and design
- Metallic cables among the smallest, high-density armored cables available today

- Optimized for mid-sheath openings and access networks for all outside plant cable markets

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 AccuRoll Dry Core (DC) Rollable Ribbon (RR) Cable features rollable ribbon technology, the newest optical fiber ribbon design from OFS. To form these ribbons, 250 μ m fibers are partially bonded to each other at intermittent points. This design not only enables mass fusion ribbon splicing but individual fiber breakout is also easier than with flat ribbons. These ribbons can be rolled and routed similarly to individual fibers to facilitate use in smaller closures and splice trays.

The completely gel-free design also helps to reduce the time required for preparation for splicing.

The construction of the AccuRoll DC RR Cable begins with its dry central core tube, which contains a gel-free, water-blocking tape and up to 36 individually numbered 12-fiber rollable ribbon units (12 to 432f) or with 144f bundles containing 12 individually numbered 12-fiber rollable ribbon units (864f). This central tube provides enhanced ribbon protection beyond that of other flexible ribbon cables. Surrounding the central tube is an additional layer of water-blocking tape and an optional layer of armor. Completing the construction of the AccuRoll DC RR Cable is a durable polyethylene (PE) jacket with integrated metallic or dielectric strength members. Ripcords are strategically located beneath the jacket for easy cable entry.

The AccuRoll DC RR Cable offers twice the fiber density of comparable flat ribbon cables in a familiar and cost-effective outside plant cable design. In addition, the combination of rollable ribbons and a gel-free construction makes this cable smaller and lighter in weight than comparable standard flat ribbon cables.

The AccuRoll DC RR Cable is optimized for blown and pulled installations and also offers excellent kink and crush performance. These features combine to make this cable a natural choice for underground, direct buried and lashed aerial deployments.



AccuRoll™ Dry Core (DC) Rollable Ribbon Cable

Specifications																
Dielectric Sheath									Metallic Sheath							
Fiber Count	12-48	60-96	108-144	156-216	228-288	300-432	576	720-864	12-48	60-96	108-144	156-216	228-288	300-432	576	720-864
Outer Diameter - in. (mm)	0.39 (10.0)	0.44 (11.3)	0.50 (12.6)	0.51 (12.9)	0.55 (13.9)	0.65 (16.5)	0.73 (18.5)	0.78 (19.8)	0.39 (10.0)	0.43 (11.0)	0.47 (12.0)	0.51 (13.0)	0.55 (14.0)	0.64 (16.3)	0.77 (19.5)	0.81 (20.6)
Weight - lb./kft (kg/km)	53 (79)	70 (104)	71 (106)	82 (122)	101 (150)	126 (186)	132 (197)	163 (243)	83 (124)	97 (144)	107 (159)	125 (186)	137 (204)	157 (234)	192 (285)	228 (340)

Handling (All Fiber Counts)		
Minimum Bend Radius, with Load		15 x OD (Outer Diameter)
Minimum Bend Radius, with no Load		15 x OD
Minimum Bend Radius, Storage Coils		15 x OD (Minimum Coiling Radius = 9 in. (23 cm)) See OFS IP-009 for coiling and & IP-042 for sheath preparation instructions.
Maximum Rated Cable Load (MRCL)		600 lb. (2700 N)
Maximum Long-Term Load		180 lb. (800 N)
Temperature	Installation	-22 °F to 158 °F (-30 °C to 70 °C)
	Operation	-40 °F to 158 °F (-40 °C to 70 °C)
	Storage	-40 °F to 158 °F (-40 °C to 70 °C)

Performance Standard (All Fiber Counts)	
Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20 CORE Issue 4.	

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

NOTE: For more information regarding typical attenuation as well as attenuation parameters on Link Design Value (LDV) (Maximum end-to-end link attenuations over a concatenated span), please see OFS Application Note AN-111-A which can be downloaded at www.ofsoptics.com or contact your OFS representative.

AccuRoll Dry Core Rollable Ribbon Cable Ordering Information	
Example: AT-3GE8Y3X-NNN' (Dielectric)	AT-3GE8YSX-NNN' (Metallic/Armored)
Part Number: AT- S1 S2 SF S3 S4 S5 S6 - N N N'	

S1 = Fiber Selection See S1 Fiber Table above	S3 = Sheath Construction 8 = All Central Core Products	Sheath Design S5 = 3 = Totally Dry All-Dielectric Dry-Core S = Totally Dry Armored Dry-Core
S2 = Fiber Transmission Performance See S2 Fiber Table above	S4 = Cable Core Design Y = Gel-free 12-fiber Rollable Ribbon	S6 = Central Core - Oversheath X = No Oversheath
SF = Fiber Type² See SF Fiber Table above		NNN = Fiber Count = 12-864

¹ Part Number shown is for standard AllWave+ ZWP attenuation and standard cable print: AllWave+ ZWP attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm). Standard Print, example: **OFS OPTICAL CABLE AT-3GE8Y3X-NNN [MM-YY] [HANDSET SYMBOL] [NNN] F [SERIAL #]**

² Contact OFS Order Management for information on other cable variations, including additional fiber types, 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 link 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



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

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

OFS Marketing Communications
DOC ID: osp-189 Date: 03/24

AllWave is a registered trademark and AccuRoll is a trademark 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.