



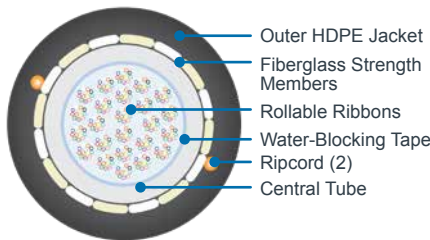
A Furukawa Company

# DuctSaver® Rollable Ribbon (RR) Central Core Cable

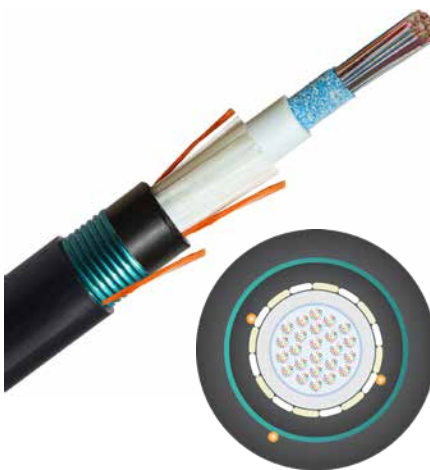
Increased Fiber Density and Improved Cable Coiling for Performance You Can Count On



DuctSaver Rollable Ribbon Cable



DuctSaver Rollable Ribbon Cable Cross-Section



DuctSaver Rollable Ribbon Cable Armored Version

## Features

- 12 fiber ribbon units featuring rollable ribbon technology
- Durable, highly crush-resistant central core design features with helically applied strength member system
- Fiber counts of 144, 288, or 432
- Standard ribbon print marking with numbers and blocks for identification
- Completely gel-free construction
- RDUP (formerly RUS) listed and compliant with ANSI/ICEA, Telcordia GR-20 Issue 4, and IEC specifications for reliable performance
- Utilizes standard ITU-T G.652.D and G.657.A1 compliant fiber

## Benefits

- Optimized for fast, cost-effective mass fusion splicing
- Ribbon and sheath design enables smaller cable outer diameter (OD) and reduced weight versus comparable flat ribbon designs
- Superior cable coiling for simplified handling and installation compared to LXE designs
- Gel-free design helps facilitate faster cable preparation
- Added protection of central core for increased robustness and ease of midspan access.
- Offers seamless splicing in existing fiber network with no mode field mismatch

## Product Description

The DuctSaver® Rollable Ribbon (RR) Cable features 144, 288, or 432 optical fibers in a gel-free, central core cable design. This cable features rollable ribbons, the newest optical fiber ribbon design from OFS. To form these ribbons, individual 250 μm fibers are partially bonded to each other at predetermined points. The cable design features a central tube construction with helical strength elements for durable protection and superior coiling performance to alternative products.

## Why the DuctSaver Rollable Ribbon (RR) Cable?

The DuctSaver RR Cable’s 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 DuctSaver RR Cable’s greater fiber density can help to expand the capacity of existing pathways using smaller, lower-cost duct systems.

The DuctSaver RR Cable’s ribbons may be “rolled” (compacted) and routed like individual fibers to facilitate use in smaller closures and splice trays.

In addition, this 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 DuctSaver RR Cable is an excellent choice for connecting very large fiber distribution hubs. It is also highly suitable for use in data centers, FTTx and access networks.



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# DuctSaver® Rollable Ribbon (RR) Central Core Cable

Specifications						
	Dielectric Versions			Armored Versions		
<b>Fiber Count</b>	<b>144</b>	<b>288</b>	<b>432</b>	<b>144</b>	<b>288</b>	<b>432</b>
<b>Cable Outer Diameter - in. (mm)</b>	0.39 (10)	0.47 (12)	0.57 (14.5)	0.57 (14.5)	0.65 (16.5)	0.74 (18.9)
<b>Cable Weight - lb/kft (kg/km)</b>	55 (82)	77 (115)	105 (156)	127 (189)	163 (243)	204 (303)
Handling (All Fiber Counts)						
<b>Minimum Bend Radius, with Load</b>	15 x OD (Outer Diameter)					
<b>Minimum Bend Radius, with No Load</b>	10 x OD					
<b>Minimum Bend Radius, Storage Coils</b>	10 x OD					
<b>Maximum Rated Cable Load (MRCL)</b>	600 lb. (2700 N)					
<b>Maximum Long-Term Load</b>	180 lb. (800 N)					
<b>Temperature</b>	<b>Installation</b>	-22 °F to 140 °F (-30 °C to 70 °C)				
	<b>Operation</b>	-40 °F to 158 °F (-40 °C to 70 °C)				
	<b>Storage</b>	-40 °F to 167 °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 <sup>2</sup>						
Single-Mode Optical Fiber	Fiber (S1)	Fiber (S2)	Fiber (SF)	Standard	Maximum Cable Attenuation on Reel	
<b>AllWave®+ ZWP Optical Fiber</b>	3	G	E	G.652.D/G.657.A1	0.4/ 0.4/ 0.3	

DuctSaver RR Central Core Cable Ordering Information			
Example: AT-3GE8Y4X-NNN <sup>1</sup>			
Part Number: AT - S1 S2 SF S3 S4 S5 S6 - NNN			
<b>S1 = Fiber Selection</b> See S1 in Fiber Type table above.	<b>S3 = Sheath Construction</b> 8 = All Central Core Products	<b>S6 = Central Core - Oversheath</b> X = No Oversheath D = Armored Oversheath	
<b>S2 = Fiber Transmission Performance</b> See S2 in Fiber Type table above.	<b>S4 = Central Core Design</b> Y = Gel-Free Central Core Rollable Ribbon	<b>NNN = Fiber Count</b> 144, 288, 432	
<b>SF = Fiber Type<sup>2</sup></b> See SF in Fiber Type table above.	<b>S5 = Sheath Design</b> 4 = DuctSaver Sheath Dry Core Rollable Ribbon		

<sup>1</sup> Part Number shown is for a DuctSaver Rollable Ribbon Cable with standard AllWave+ ZWP Optical Fiber attenuation: 0.35/0.31/0.27/0.25/0.27 dB/km @ 1310/1385/1490/1550/1625 nm and standard cable print.

OFS OPTICAL CABLE AT-3GE8Y4X-NNN [MM/YY] (UL) US TYPE OFNR [HANDSET SYMBOL] [NNN] F [SERIAL #]

<sup>2</sup> 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 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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