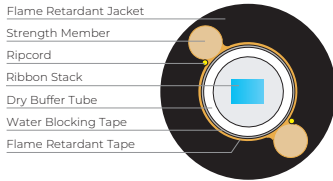
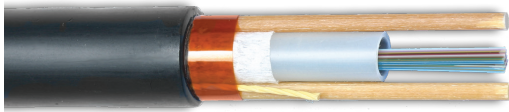


# GenSPEED® 12-864f FusionLink™ Indoor/Outdoor

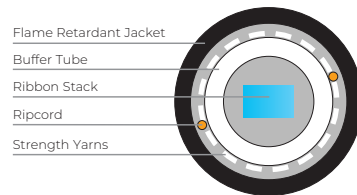
Ribbon Central Tube Riser (Dry) Cable



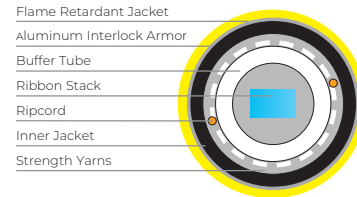
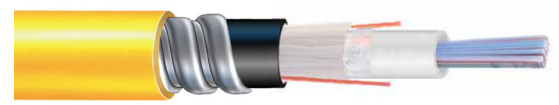
## 12-432f Dielectric & Armored



## 864f Dielectric



## 864f Armored



## FEATURES AND BENEFITS

### Indoor/Outdoor Design

- Saves space and time by eliminating splices at the cable vault
- Can be installed using typical loose tube cable methods and hardware

### Compact Design

- Efficient packaging of higher fiber counts
- Lightweight and easy to handle during installation

### Easily Removable Ribbon Matrix

- Allows for ease of stripping and fiber breakout
- Improves mid-span strippability

### Precision Ribbon Geometry

- Time and labor savings during fiber splicing
- Superior fiber alignment produces low skew and ease of connectorization

### Flexible Buffer Tube

- Superior kink resistance
- Eliminates need for closure transportation tubing
- Facilitates route management in closures

### Dry Water-Blocking Technology

- Buffer tube and core are completely dry – no gel
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

### UL and c(UL) Listed

- OFNR and OFN-FT4 rated for riser applications
- Indoor/outdoor applications

### Performance

- Meets or exceeds the requirements of Telcordia GR-20 & ICEA 640 and is tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables
- RDUP listed (tested in accordance with PE-90)
- The complete cable and all subcomponents are RoHS-compliant

### Registered Supplier

- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



## PERFORMANCE SPECIFICATIONS

Bend Radius	RISER	
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
Tensile Rating	N	lbf
Installation	2,700	600
Residual	800	180
Crush Resistance	N/cm	lbf/in
Short/ long Term	220/110	125/63
Temperature Ratings	°C	°F
Operation	-40 to +70	-40 to +158
Installation*	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

\* Installation Temperature Range for the 576 to 864 fiber counts is -10C to +60C (-4F to 140F)



### Prysmian

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na.prysmian.com  
TLS-DS-B-101-0924

# GenSPEED® 12-864f FusionLink™

## Indoor/Outdoor

Ribbon Central Tube Riser (Dry) Cable



Fiber Count Range	Recommended Fiber Count	Recommended Prysmian** Part Number	Fibers / Ribbon	Number of Ribbons	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
					Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters

### RRIODCK

12-48	12	RRIODCK-12-AA-012-BB	12	1-4	0.24	6.2	0.56	14.3	141	210	39,370	12,000
	24	RRIODCK-12-AA-024-BB										
	48	RRIODCK-12-AA-048-BB										
72	72	RRIODCK-12-AA-072-BB	12	6	0.35	8.8	0.64	16.2	144	214	31,022	9,458
84-144	144	RRIODCK-12-AA-144-BB	12	7-12	0.42	10.6	0.71	18.0	168	250	31,022	9,458
240-432	432	RRIODCK-24-AA-432-BB	24	10-18	0.61	15.4	0.90	22.8	245	364	17,864	5,445
576-864	576	RRIODCK-24-AA-576-BB	24	24	0.81	20.6	1.06	26.8	330	490	12,500	3,800
	864	RRIODCK-36-AA-864-BB										

### RRIODKAJ

12-48	12	RRIODKAJ-12-AA-012-BB	12	1-4	0.24	6.2	0.56	14.3	141	210	39,370	12,000
	24	RRIODKAJ-12-AA-024-BB										
	48	RRIODKAJ-12-AA-048-BB										
72	72	RRIODKAJ-12-AA-072-BB	12	6	0.35	8.8	0.99	25.2	381	567	18,175	5,540
84-144	144	RRIODKAJ-12-AA-144-BB	12	7-12	0.42	10.6	1.06	27.0	428	637	15,435	4,705
240-432	432	RRIODKAJ-24-AA-432-BB	24	10-18	0.61	15.4	1.26	32.0	567	844	11,220	3,420
576-864	576	RRIODKAJ-24-AA-576-BB	24	24	0.81	20.6	1.4	35.6	723	1,076	9,500	2,900
	864	RRIODKAJ-36-AA-864-BB										

\* **Note:** This design uses 24 fiber ribbons for counts of 240 to 576 fibers and 36 fiber ribbons for 612 to 864 fibers.  
If on reel testing is required for the 612-864 fiber designs, a reel with 60" drum must be specified on the order.

\*\*Where AA equals glass type and BB equals attenuation code



# GenSPEED® 12-864f FusionLink™ Indoor/Outdoor

Ribbon Central Tube Riser (Dry) Cable



## Ordering Guide

The Prysmian part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

### GenSPEED® FusionLink™ Indoor/Outdoor Riser Rated Dry Cable:

**Example:** GenSPEED® FusionLink™ 432 count, riser rated, dry cable with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation (printed in feet)

1	LENGTH MARKINGS	2	PRODUCT FAMILY	3	FIBER GROUPING	4	FIBER TYPE	5	FIBER COUNT	6	FIBER GRADE
	F		RRIOCDK		24		HB		432		E1

PART NUMBER CONSTRUCTION	
<b>1</b>	<b>LENGTH MARKINGS</b>
	F = Feet or M = Meters
<b>2</b>	<b>PRODUCT FAMILY &amp; CONSTRUCTION</b>
	RRIOCDK = Dry GenSPEED® Indoor/Outdoor (Riser)
	RRIOCDKAJ = Dry GenSPEED® Aluminum Interlock Armor I/O(Riser)
<b>3</b>	<b>FIBER GROUPING</b>
	12 = 12f Ribbons (12-144)
	24 = 24f Ribbons (240-576)
	36 = 36f Ribbons (864)

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

FIBER INFORMATION		
<b>4</b>	<b>FIBER TYPE</b>	
	<b>SINGLE-MODE</b>	
	HB = Single-Mode (ITU G.652 C & D) Low Water Peak – 12-432f only	
	ES = Enhanced Single-Mode (ITU G.652 C & D) – 12-432f only	
	B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)	
	B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)	
<b>5</b>	<b>FIBER COUNT</b>	
	012 to 864 fibers	
<b>6</b>	<b>FIBER GRADE</b>	
	<b>SINGLE-MODE</b>	
	<b>Attenuation (dB/km)</b>	<b>Wavelength (nm)</b>
	E1 = 0.40/0.40/0.30	1310/1383/1550
	E3 = 0.35/0.35/0.25	1310/1383/1550
		<b>Fiber Type</b>
		HB, ES, B1, or B2
		HB, ES, B1, or B2

\* 576 to 864 fibers limited to E1 attenuation code

