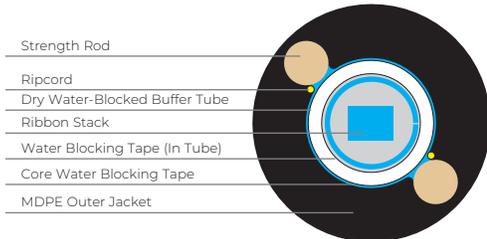


# Dry FusionLink™

Ribbon Central Tube (Dry) Cable



## FEATURES AND BENEFITS

### 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

### Flexible Buffer Tubet

- Superior kink resistance
- Increased flexibility
- 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

### All-Dielectric Strength Elements

- Jacket can be removed from the end in a single step
- Mid-span access is safer and easier

### Available Uncoupled or Coupled Designs

- Coupled design (RCD product) couples the ribbon stack with the cable which eliminates the need for splice point coupling coils in aerial application
- Un-coupled design (RCU product) requires the use of coupling coils at the splice points in aerial applications to prevent fiber retraction in closures

### 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)

### Registered Supplier

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



PERFORMANCE SPECIFICATIONS		
<b>Bend Radius</b>		
<b>Dynamic</b>	20 x Cable OD	
<b>Static (Single Bend)</b>	10 x Cable OD	
<b>Static (Cable Coil)</b>	15 x Cable OD	
<b>Tensile Rating</b>	<b>N</b>	<b>lbf</b>
<b>Installation</b>	2,700	600
<b>Residual</b>	800	180
<b>Crush Resistance</b>	<b>N/cm</b>	<b>lbf/in</b>
<b>Short/ long Term</b>	220/110	125/63
<b>Temperature Ratings</b>	<b>°C</b>	<b>°F</b>
<b>Operation</b>	-40 to +70	-40 to +158
<b>Installation</b>	-30 to +60	-22 to +140
<b>Storage/Shipping</b>	-40 to +75	-40 to +167



### Prysmian

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TLS-DS-A-203-0226

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

**RCUIJKT**

12 – 48	12	RCUIJKT-12-AA-012-BB	12	1 – 4	Yes	0.24	6.2	0.50	12.7	77	114	38,405	11,706
	24	RCUIJKT-12-AA-024-BB											
	48	RCUIJKT-12-AA-048-BB											
456 – 576*	576	RCUIJKT-24-AA-576-BB	24	24	Yes	0.78	19.8	0.97	24.6	231	345	17,864	5,445

**RCDIJKT**

60 – 72	72	RCDIJKT-12-AA-072-BB	12	5 – 6	No	0.35	8.8	0.60	15.3	104	155	38,405	11,706
84 – 96	96	RCDIJKT-12-AA-096-BB	12	7 – 8	No	0.37	9.5	0.63	16.0	108	162	38,405	11,706
108 – 144	144	RCDIJKT-12-AA-144-BB	12	9 – 12	No	0.42	10.6	0.67	17.1	118	176	33,622	10,248
156 – 216	216	RCDIJKT-12-AA-216-BB	12	13 – 18	No	0.48	12.3	0.74	18.8	136	202	27,818	8,479
240 – 288*	288	RCDIJKT-24-AA-288-BB	24	10 – 12	No	0.56	14.3	0.80	20.3	167	247	17,864	5,445
312 – 432*	432	RCDIJKT-24-AA-432-BB	24	13 – 18	No	0.61	15.4	0.79	20.2	172	256	17,864	5,445
612 – 864*	864	RCDIJKT-36-AA-864-E1	36	17 – 24	No	0.78	19.8	0.97	24.6	231	345	10,718	3,267

**\* Note:** This design uses 24 fiber ribbons for counts of 240 to 576 fibers and 36 fiber ribbons for 612 to 864 fibers.  
Please refer to ribbon in loose tube designs for higher fiber counts using 12 fiber ribbons.  
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



## 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

### 1. RCD Coupled Design Example (for 60 to 432, 612 to 864):

**Example:** 96 count Dry FusionLink™ with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation *with* coupling (printed in feet)

1	LENGTH MARKINGS	2	PRODUCT FAMILY	3	CONSTRUCTION	4	FIBER GROUPING	5	FIBER TYPE	6	FIBER COUNT	7	FIBER GRADE
	F		RCD		1JKT		12		HB		096		E1

### 2. RCU Uncoupled Design Example (for 12 to 48, 576)

**Example:** 948 count Dry FusionLink™ with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation *without* coupling (printed in feet)

1	LENGTH MARKINGS	2	PRODUCT FAMILY	3	CONSTRUCTION	4	FIBER GROUPING	5	FIBER TYPE	6	FIBER COUNT	7	FIBER GRADE
	F		RCU		1JKT		12		HB		048		E1

PART NUMBER CONSTRUCTION	
<b>1</b>	<b>LENGTH MARKINGS</b>
	F = Feet or M = Meters
<b>2</b>	<b>PRODUCT FAMILY</b>
	RCD = Dry FusionLink™ Coupled Design (60 to 432, 612 to 864)
	RCU = Dry FusionLink™ Uncoupled Design (12 to 48, 576): aerial coupling coils required
<b>3</b>	<b>CONSTRUCTION</b>
	1JKT = Single Jacket
<b>4</b>	<b>FIBER GROUPING</b>
	12 = 12f per tube
	24 = 24f Ribbons
	36 = 36f Ribbons

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

Other cable constructions and fiber performance grades available on request.

FIBER INFORMATION		
<b>5</b>	<b>FIBER TYPE</b>	
	<b>SINGLE-MODE</b>	
	HB = Single-Mode (ITU G.652 C & D) Low Water Peak	
	ES = Enhanced Single-Mode (ITU G.652 C & D)	
	B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)	
	BB = BendBright™ Single-Mode (ITU G.657.A1 & G.652.D)	
	BU = Bend-Insensitive Single-Mode (ITU G.657.A1+ & G.652.D)	
	DB = BendBright A1+ Single-Mode (ITU G.657.A1+ & G.652.D)	
	B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & G.652.D)	
	BX = BendBrightXS™ Single-Mode (ITU G.657.A2 & .B2 & G.652.D)	
<b>6</b>	<b>FIBER COUNT</b>	
	12 to 864 fibers	
<b>7</b>	<b>FIBER GRADE</b>	
	<b>SINGLE-MODE</b>	
	Attenuation (dB/km)	Wavelength (nm)
	E1 = 0.40/0.40/0.30	1310/1383/1550
	* E3 = 0.35/0.35/0.25	1310/1383/1550

\* 612 to 864 fibers limited to E1 attenuation code