



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		
Bend Radius		
Dynamic	20 x Cable OD	
Static (Single Bend)	10 x Cable OD	
Static (Cable Coil)	15 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

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
RCU1JKT													
12-48	12	RCU1JKT-12-AA-012-BB	12	1-4	Yes	0.24	6.2	0.50	12.7	77	114	38,405	11,706
	24	RCU1JKT-12-AA-024-BB											
	48	RCU1JKT-12-AA-048-BB											
456-576*	576	RCU1JKT-24-AA-576-BB	24	24	Yes	0.78	19.8	0.97	24.6	231	345	17,864	5,445

RCD1JKT													
60-72	72	RCD1JKT-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	RCD1JKT-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	RCD1JKT-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	RCD1JKT-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	RCD1JKT-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	RCD1JKT-24-AA-432-BB	24	13-18	No	0.61	15.4	0.79	20.0	172	256	17,864	5,445
612-864*	864	RCD1JKT-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 Group 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	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	RCD = Dry FusionLink™ Coupled Design (60 to 432, 612 to 864) RCU = Dry FusionLink™ Uncoupled Design (12 to 48, 576): aerial coupling coils required
3 CONSTRUCTION	1JKT = Single Jacket
4 FIBER GROUPING	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	
5 FIBER TYPE	SINGLE-MODE
	HB = Single-Mode (ITU G.652 C & D) Low Water Peak
	ES = Enhanced Single-Mode (ITU G.652 C & D)
	CE = Corning™ SMF28e+ Single-Mode
	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)
	CU = Corning™ SMF-28® Ultra 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)
6 FIBER COUNT	12 to 864 fibers
7 FIBER GRADE	SINGLE-MODE
	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