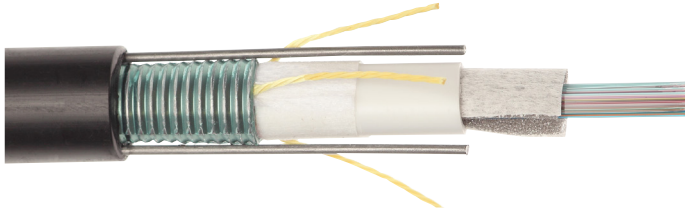


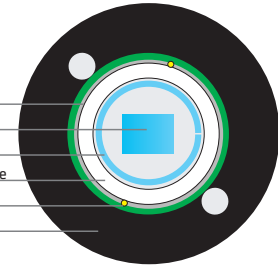


Dry FusionLink™ Armored

Ribbon central tube (dry) cable



Water Blocking Tape
Ribbon Stack
Water-Blocking Tape (In tube)
Dry Water-Blocked Buffer Tube
Ripcord
MDPE Outer Jacket



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 Tube

- 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

ezPrep® Corrugated Steel Armor

- Provides additional mechanical protection
- Special coating reduces time and effort to remove jacket

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
- Tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables
- Complies with RUS PE-90

Registered Supplier

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



PERFORMANCE SPECIFICATIONS

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	2700	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

Nominal Design Parameters

PRODUCT FAMILY		RCU1A1J		RCD1A1J						
Fiber Count		12-48	576*	60-72	84-96	108-144	156-216	240-288*	312-432*	612-864*
Ribbon Count		1-4	24	5-6	7-8	9-12	13-18	10-12	13-18	17-24
Fibers/Ribbon		12	24	12	12	12	12	24	24	36
Aerial Coupling Coils Required		yes	yes	no	no	no	no	no	no	no
Buffer Tube OD	(mm)	6.2	19.8	8.8	9.5	10.6	12.3	14.3	15.4	19.8
	(inches)	0.24	0.78	0.35	0.37	0.42	0.48	0.56	0.61	0.78
Cable OD	(mm)	12.5	27.8	16.3	17.0	18.1	19.8	21.4	22.9	27.8
	(inches)	0.50	1.09	0.64	0.67	0.71	0.78	0.84	0.90	1.09
Cable Weight	(kg/km)	152	533	224	233	258	285	364	391	533
	(lb/kft)	102	358	151	157	173	192	245	262	358
Max. Length	(m)	11,187	4,960	11,187	10,095	8,880	7,580	5,445	5,445	3,267
	(ft)	36,693	16,275	36,693	33,111	29,126	24,862	17,864	17,864	10,718

* 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.

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):

96 count Dry FusionLink™ Armored 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	1A1J	12	HB	096	E1

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

48 count Dry FusionLink™ Armored 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	1A1J	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

1A1J = Single Armor, Single Jacket

4 FIBER GROUPING

12 = 12f Ribbons

24 = 24f Ribbons

36 = 36f Ribbons

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

HB = Single-Mode (ITU G.652 C & D) Low Water Peak

CE = Corning® SMF28e+ Single-Mode

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)

CU = Corning™ Ultra Single-Mode (ITU G.657.A1 & G.652.D)

6 FIBER COUNT

012 to 864 fibers

7 FIBER GRADE

SINGLE-MODE

Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, CE, B1, or CU
* E3 = 0.35/0.35/0.25	1310/1383/1550	HB, CE, B1, or CU

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

* 612-864 fibers limited to E1 attenuation code.

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