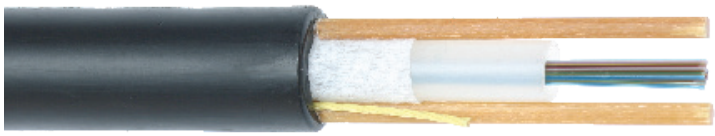
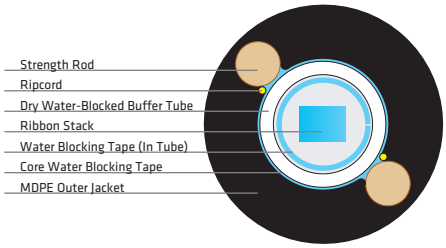
Prysmian Group

PRYSMIAN Draka

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 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

All-Dielectric Strength Elements

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

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, and TL 9000

PERFORMANCE SPECIFICATIONS		
Bend Radius		
Dynamic	20 x Cable OD	
Static	10 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

RUS LISTED

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500A DS102 DRY FUSIONLINK 12-14

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Nominal Design Parameters

Fiber Count		12-48	60-72	84-96	108-144	156-216	240-432
Ribbon Count		1-4	5-6	7-8	9-12	9-18	10-18
Fibers/Ribbon		12	12	12	12	12	24
Buffer Tube OD	(mm)	6.2	8.8	9.5	10.6	12.3	15.4
	(inches)	0.24	0.35	0.37	0.42	0.48	0.61
Cable OD	(mm)	12.7	15.3	16.0	17.1	18.8	20.0
	(inches)	0.50	0.60	0.63	0.67	0.74	0.79
Cable Weight	(kg/km)	114	155	162	176	202	256
	(lb/kft)	77	104	108	118	136	172
Max. Length	(m)	11,706	11,706	11,706	10,248	8,479	5,445
	(ft)	38,405	38,405	38,405	33,622	27,818	17,864

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

Example: 96 count dry FusionLink™ 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 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	RCD	1JKT	12	HB	096	E1

PART NUMBER CONSTRUCTION

2 PRODUCT FAMILY

RCD = Dry FusionLink™

3 CONSTRUCTION

1JKT = Single Jacket

4 FIBER GROUPING

12 = 12f Ribbons

24 = 24f Ribbons

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

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

6 FIBER COUNT

12 to 432 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, or CE

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