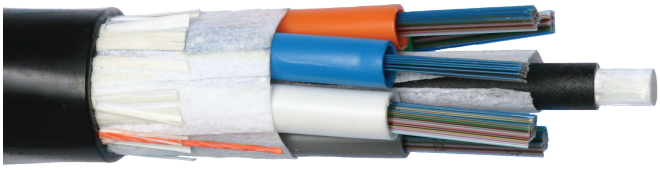
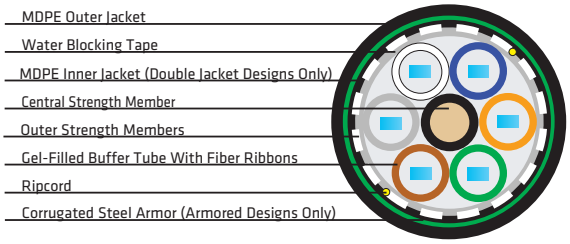
Prysmian Group

PRYSMIAN Draka

MassLink™ RILT

Ribbon loose tube (gel) 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

Precision Ribbon Geometry

- Time and labor savings during fiber splicing

Dry Water-Blocking Technology

- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

Multiple Buffer Tubes Stranded In Reverse Oscillated Lay

- Facilitates access of fibers when cable slack is not available
- Smaller tubes have superior kink resistance and increased flexibility
- Simplifies access, handling and management of fibers and ribbons
- Eliminates need for closure transportation tubing and furcation kits

Corrugated Steel Armor (Optional)

- Provides additional mechanical protection (Prysmian recommends that only armored designs should be used in direct-buried applications)

Copper Tracer Wires Available

- Permits tone location of unarmored designs

Performance

- Meets or exceeds the requirements of Telcordia GR-20 & ICEA 640 and is tested in accordance with relevant EIA/TIA-455 series
- RDUP (RUS) listed (tested in accordance with PE-90, 7CFR 1755.900)

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	4500	1000
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 DS104 MASSLINK RILT 12-14

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Nominal Design Parameters

Jacket Design		All-Dielectric	All-Dielectric	Single Armor Single Jacket	Single Armor Single Jacket	Single Armor Double Jacket
Fiber Count		288-432	444-864	288-432	444-864	288-432
12f Ribbon Count		1-6	1-12	1-6	1-12	1-6
Tube Positions		6	6	6	6	6
Buffer Tube OD	**(mm)**	6.2	7.9	6.2	7.9	6.2
	(inches)	0.24	0.31	0.24	0.31	0.24
Cable OD	**(mm)**	21.35	26.7	24.7	29.8	27.0
	(inches)	0.84	1.05	0.97	1.17	1.06
Cable Weight	**(kg/km)**	310	442	464	618	519
	(lb/kft)	208	297	311	415	348
Max. Length	**(m)**	6,575	4,204	4,932	3,515	4,366
	(ft)	21,566	13,789	16,181	11,529	14,320

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: 864 count armored MassLink™ cable with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation.

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	RLG	1A1J	12	HB	864	E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

RLG = MassLink RILT (Gel)

3 CONSTRUCTION

1JKT = Single Jacket
1A1J = Single Armor, Single Jacket
1J2J = Single Armor, Double Jacket

4 FIBER GROUPING

12 = 12f 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
LE = LEAF NZDSF (ITU G.655)

6 FIBER COUNT

288 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, ES, or CE
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, or CE
N1 = 0.25	1550	LEAF Single-Mode

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