



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 FOTPs for fiber optic cables
- RDUP (RUS) listed (tested in accordance with PE-90, 7CFR 1755.900))

Registered Supplier

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



PERFORMANCE SPECIFICATIONS		
Bend Radius		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
Tensile Rating	N	lbf
Installation	4,500	1,000
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	# of Buffer Tube Positions	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
						Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters

All-Dielectric

288 – 360	288	RLG1JKT-12-AA-288-BB	12	1 – 6	5@1	0.24	6.2	0.79	21.1	208	310	21,566	6,575
432	432	RLG1JKT-12-AA-432-BB	12	1 – 6	6@1	0.24	6.2	0.84	21.35	208	310	21,566	6,575
576 – 864	864	RLG1JKT-12-AA-864-BB	12	1 – 12	6@1	0.31	7.9	1.05	26.7	297	442	13,789	4,204

Single Armor Single Jacket

288 – 360	288	RLG1AJ-12-AA-288-BB	12	1 – 6	5@1	0.24	6.2	0.89	22.5	311	464	16,181	4,932
432	432	RLG1AJ-12-AA-432-BB	12	1 – 6	6@1	0.24	6.2	0.97	24.7	311	464	16,181	4,932
576 – 864	864	RLG1AJ-12-AA-864-BB	12	1 – 12	6@1	0.31	7.9	1.17	29.8	415	618	11,529	3,515

Single Armor Double Jacket

288 – 432	288	RLG1A2J-12-AA-288-BB	12	1 – 6	6@1	0.24	6.2	1.06	27.0	348	519	14,320	4,366
288 – 432	432	RLG1A2J-12-AA-432-BB	12	1 – 6	6@1	0.24	6.2	1.06	27.0	348	519	14,320	4,366

**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

Example: 864 count armored MassLink™ 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	RLG	1AJ	12	B1	864	E1

PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	RLG = MassLink
3 CONSTRUCTION	1JKT = Single Jacket 1AJ = Single Armor, Single Jacket 1A2J = Single Armor, Double Jacket
4 FIBER GROUPING	12 = 12f per tube

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	
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)	
6 FIBER COUNT	288 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
N1 = 0.25	1550