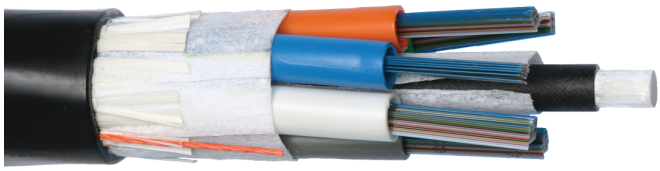
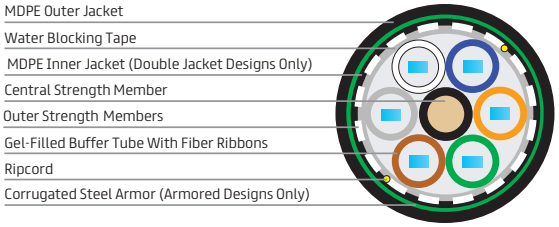
MassLink™
Multi-Tube Ribbon Cable

Prysmian





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

RUS LISTED

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

Prysmian Group
4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com

TLS-DS-A-205-0823

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	20.0	208	310	21,566	6,575
432	432	RLG1JKT-12-AA-432-BB			6@1			0.84	21.35				
576 – 864	864	RLG1JKT-12-AA-864-BB	12	1 – 12		0.31	7.9	1.05	26.7	297	442	13,789	4,204
Single Armor Single Jacket													
288 – 360	288	RLG1A1J-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	RLG1A1J-12-AA-432-BB			6@1			0.97	24.7				
576 – 864	864	RLG1A1J-12-AA-864-BB	12	1 – 12		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
	432	RLG1A2J-12-AA-432-BB											

**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

Example: 864 count armored MassLinkTM 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		1A1J	–	12	–	HB	–	864	–	E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

RLG = MassLink

3 CONSTRUCTION

1JKT = Single Jacket
1A1J = 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
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)
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

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

Prysmian Group
4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
TLS-DS-A-205-0823