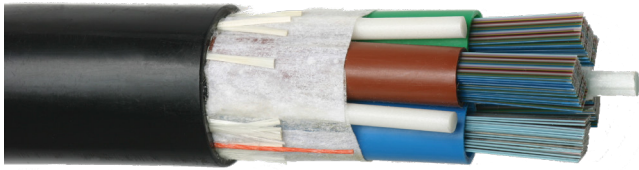


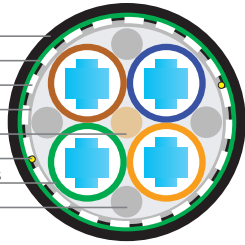
# MassLink™ 1728

Multi-Tube Ribbon Cable

# Prysmian



- MDPE Outer Jacket
- Steel Armor (where applicable)
- Outer Strength Members
- Water Blocking Tape
- Central Strength Member
- Ripcord
- Gel-Filled Buffer Tube Containing Fiber Ribbons
- Filler Rod



## Performance

- RDUP (RUS) listed (tested in accordance with PE-90, 7CFR 1755.900)

## Registered Supplier

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



## FEATURES AND BENEFITS

### Highest Fiber Count Available

- Maximizes duct utilization in critical installations like bridge crossings
- Ideal for connecting very large fiber distribution hubs
- Lightweight and easier to handle than multiple smaller cables

### Easily Removable Ribbon Matrix

- Both 12 and 24-fiber ribbons are easy to mass-strip
- Individual fibers can be broken out quickly and cleanly

### Precision Ribbon Geometry

- Time and labor savings during fiber splicing
- Ribbons are easily split from 24-fiber units into separate 12-fiber units

### Available with ECCS ezPrep® (Steel) Armor

- Rodent-Resistant
- Facilitates tone location and increases resistance to mechanical stresses

### Dry Water-Blocking Technology

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

### Multiple Buffer Tubes Stranded In Reverse Oscillated Lay

- Cable is uniformly flexible in all directions
- Simplifies access, handling and management of fibers and ribbons
- Termination management is easier with fewer ribbons in each tube

## PERFORMANCE SPECIFICATIONS

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<b>Bend Radius</b>		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
<b>Tensile Rating</b>		
	<b>N</b>	<b>lbf</b>
Installation	4,500	1,000
Residual	800	180
<b>Crush Resistance</b>		
	<b>N/cm</b>	<b>lbf/in</b>
Short/ long Term	220/110	125/63
<b>Temperature Ratings</b>		
	<b>°C</b>	<b>°F</b>
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

# Prysmian

A Brand of Prysmian Group

## Prysmian Group

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 TLS-DS-A-206-0621

Fiber Count Range	Recommended Fiber Count	Recommended Prysmian* Part Number	Fibers Per Tube	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**

1296 – 1728	1728	RLG1JKT-MX-AA-1728-E1	432	4	0.476	12.1	1.24	31.5	503	749	9,908	3,020
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**Single Armor Single Jacket**

1296 – 1728	1728	RLG1A1J-MX-AA-1728-E1	432	4	0.476	12.1	1.38	35.1	647	965	7,118	2,170
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\* Where AA equals glass type

**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:** 1728 count armored MassLink™ cable with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation. (printed in feet)



PART NUMBER CONSTRUCTION	
<b>1 LENGTH MARKINGS</b>	F = Feet or M = Meters
<b>2 PRODUCT FAMILY</b>	RLG = MassLink 1728
<b>3 CONSTRUCTION</b>	1JKT = Single Jacket 1A1J = Single Armor, Single Jacket
<b>4 FIBER GROUPING</b>	MX = Mix of 12f and 24f ribbons per unit or 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		
<b>5 FIBER TYPE</b>	<b>SINGLE-MODE</b>	
	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™ SMF-28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)	
	B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & G.652.D)	
<b>6 FIBER COUNT</b>	1296 to 1728 fibers	
<b>7 FIBER GRADE</b>	<b>SINGLE-MODE</b>	
	Attenuation (dB/km)	Wavelength (nm) Fiber Type
	E1 = 0.40/0.40/0.30	1310/1383/1550 HB, CE, B1, CU or B2