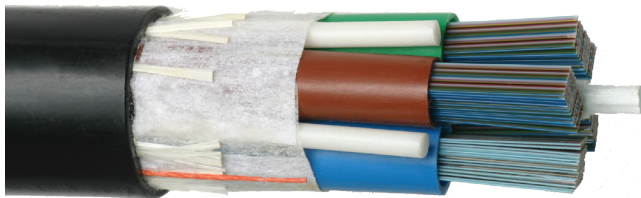


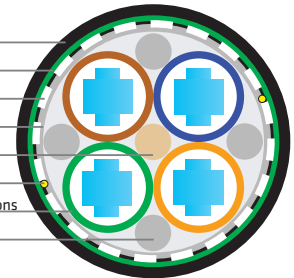


MassLink™ 1728

Multi-Tube Ribbon Cable



- 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



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

- 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 | 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 |

Prysmian Group

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Nominal Design Parameters

| Jacket Design | | All-Dielectric | Single Armor / Single-Jacket |
|----------------|----------|----------------|------------------------------|
| Fiber Count | | 1296-1728 | 1296-1728 |
| Fibers/Tube | | 432 | 432 |
| Tube Positions | | 4 | 4 |
| Buffer Tube OD | (mm) | 12.1 | 12.1 |
| | (inches) | 0.476 | 0.476 |
| Cable OD | (mm) | 31.5 | 35.1 |
| | (inches) | 1.24 | 1.38 |
| Cable Weight | (kg/km) | 749 | 965 |
| | (lb/kft) | 503 | 647 |
| Max. Length | (m) | 3,020 | 2,170 |
| | (ft) | 9,908 | 7,118 |

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 | |
|--------------------------|--|
| 1 LENGTH MARKINGS | F = Feet or M = Meters |
| 2 PRODUCT FAMILY | RLG = MassLink 1728 |
| 3 CONSTRUCTION | 1JKT = Single Jacket 1A1J = Single Armor, Single Jacket |
| 4 FIBER GROUPING | 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.

| FIBER INFORMATION | | |
|----------------------|---|-------------------------------------|
| 5 FIBER TYPE | SINGLE-MODE | |
| | 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™ Ultra Single-Mode (ITU G.657.A1 & G.652.D) | |
| | B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D) | |
| 6 FIBER COUNT | 1296 to 1728 fibers | |
| 7 FIBER GRADE | SINGLE-MODE | |
| | Attenuation (dB/km) | Wavelength (nm) Fiber Type |
| | E1 = 0.40/0.40/0.30 | 1310/1383/1550 HB, CE, B1, CU or B2 |