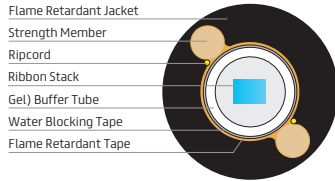
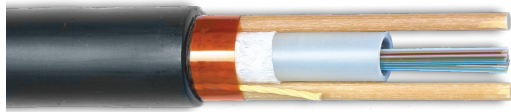


GenSPEED® FusionLink™ Indoor/Outdoor

Ribbon Central Tube Riser (Gel) Cable

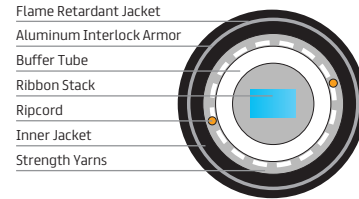
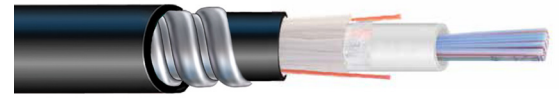
Prysmian

12-432f Dielectric & Armored



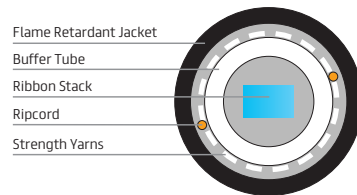
Flame Retardant Jacket
Strength Member
Ripcord
Ribbon Stack
Gel Buffer Tube
Water Blocking Tape
Flame Retardant Tape

864f Armored



Flame Retardant Jacket
Aluminum Interlock Armor
Buffer Tube
Ribbon Stack
Ripcord
Inner Jacket
Strength Yarns

864f Dielectric



Flame Retardant Jacket
Buffer Tube
Ribbon Stack
Ripcord
Strength Yarns

FEATURES AND BENEFITS

Indoor/Outdoor Design

- Saves space and time by eliminating splices at the cable vault
- Can be installed using typical loose tube cable methods and hardware

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
- Improves mid-span strippability

Precision Ribbon Geometry

- Time and labor savings during fiber splicing
- Superior fiber alignment produces low skew and ease of connectorization

Flexible Buffer Tube

- Superior kink resistance
- Eliminates need for closure transportation tubing
- Facilitates route management in closures

Dry Water-Blocking Technology

- Buffer tube and core are completely gel
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

UL and c(UL) Listed

- OFNR and OFN-FT4 rated for riser applications
- Indoor/outdoor applications

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 listed (tested in accordance with PE-90)
- The complete cable and all subcomponents are RoHS-compliant

Registered Supplier

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



PERFORMANCE SPECIFICATIONS

| PERFORMANCE SPECIFICATIONS | | |
|----------------------------|---------------|---------------|
| Bend Radius | | |
| Dynamic | 20 x Cable OD | |
| Static | 10 x Cable OD | |
| Tensile Rating | N | lbf |
| Installation | 2,700 | 600 |
| 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 |

* Installation Temperature Range for the 576 to 864 fiber counts is -10C to +60C (-4F to 140F)

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A Brand of Prysmian Group

Prysmian Group

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TLS-DS-B-103-0721

GenSPEED® FusionLink™ Indoor/Outdoor

Ribbon Central Tube Riser (Gel) Cable

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| Fiber Count Range | Recommended Fiber Count | Recommended Prysmian** Part Number | Fibers / Ribbon | Number of Ribbons | Buffer Tube OD | | Cable OD | | Approx. Cable Weight | | Max. Reel Length | |
|-------------------|-------------------------|------------------------------------|-----------------|-------------------|----------------|----|----------|----|----------------------|-------|------------------|--------|
| | | | | | Inches | mm | Inches | mm | lb/kft | kg/km | feet | meters |

RRCTK | GenSPEED® FusionLink™ Indoor/Outdoor Riser (Gel)

| | | | | | | | | | | | | |
|---------|-----|--------------------|----|------|------|------|------|------|-----|-----|--------|-------|
| 12-96 | 12 | RRCTK-12-AA-012-BB | 12 | 1-8 | 0.33 | 8.4 | 0.70 | 17.8 | 222 | 330 | 31,022 | 9,458 |
| | 24 | RRCTK-12-AA-024-BB | | | | | | | | | | |
| | 48 | RRCTK-12-AA-048-BB | | | | | | | | | | |
| | 72 | RRCTK-12-AA-072-BB | | | | | | | | | | |
| | 96 | RRCTK-12-AA-96-BB | | | | | | | | | | |
| 108-216 | 216 | RRCTK-12-AA-216-BB | 12 | 9-18 | 0.43 | 11.0 | 0.80 | 20.4 | 284 | 422 | 23,619 | 7,201 |
| 576-864 | 576 | RRCTK-24-AA-576-BB | 24 | 24 | 0.75 | 19.1 | 1.04 | 26.5 | 422 | 628 | 12,500 | 3,800 |
| | 864 | RRCTK-36-AA-864-BB | 36 | | | | | | | | | |

RRCTKAJ | GenSPEED® FusionLink™ Indoor/Outdoor Riser (Gel) with Aluminum Interlock Armor

| | | | | | | | | | | | | |
|---------|-----|----------------------|----|------|------|------|------|------|-----|-------|--------|-------|
| 12-96 | 12 | RRCTKAJ-12-AA-012-BB | 12 | 1-8 | 0.33 | 8.4 | 1.06 | 26.9 | 511 | 761 | 15,435 | 4,705 |
| | 24 | RRCTKAJ-12-AA-024-BB | | | | | | | | | | |
| | 48 | RRCTKAJ-12-AA-048-BB | | | | | | | | | | |
| | 72 | RRCTKAJ-12-AA-072-BB | | | | | | | | | | |
| | 96 | RRCTKAJ-12-AA-144-BB | | | | | | | | | | |
| 108-216 | 216 | RRCTKAJ-12-AA-216-BB | 12 | 9-18 | 0.43 | 11.0 | 1.16 | 29.5 | 611 | 909 | 13,450 | 4,100 |
| 576-864 | 576 | RRCTKAJ-24-AA-576-BB | 24 | 24 | 0.75 | 19.1 | 1.47 | 37.3 | 947 | 1,410 | 9,500 | 2,900 |
| | 864 | RRCTKAJ-36-AA-864-BB | 36 | | | | | | | | | |

* **Note:** This design uses 24 fiber ribbons for counts of 576 fibers and 36 fiber ribbons for 612 to 864 fibers.
If on reel testing is required for the 612-864 fiber designs, a reel with 60" drum must be specified on the order.

**Where AA equals glass type and BB equals attenuation code

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TLS-DS-B-103-0721

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

GenSPEED® FusionLink™ Indoor/Outdoor Riser Rated Gel Cable:

Example: GenSPEED® FusionLink™ 144 count, riser rated, gel 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 | FIBER GROUPING | 4 | FIBER TYPE | 5 | FIBER COUNT | 6 | FIBER GRADE |
|---|-----------------|-------|----------------|----|----------------|----|------------|-----|-------------|----|-------------|
| F | | RRCTK | | 12 | | HB | | 144 | | E1 | |

| PART NUMBER CONSTRUCTION | |
|---|--|
| 1 | LENGTH MARKINGS |
| F = Feet or M = Meters | |
| 2 | PRODUCT FAMILY & CONSTRUCTION |
| RRCTK = Gel GenSPEED® Indoor/Outdoor (Riser) | |
| RRCTKAJ = Gel GenSPEED® Aluminum Interlock Armor I/O(Riser) | |
| 3 | FIBER GROUPING |
| 12 = 12f Ribbons (12-144) | |
| 24 = 24f Ribbons (576) | |
| 36 = 36f Ribbons (864) | |

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

| FIBER INFORMATION | |
|---|--|
| 4 | 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 | |
| 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 & .B2, & G.652.D) | |
| MULTIMODE * | |
| | |
| G6 = OM1 (62.5µm) | 850/1300 200/500 300/550 33/___ |
| G5 = OM2+ BIF (50µm) | 850/1300 700/500 800 150/___ |
| G3 = OM3 BIF (50µm) | 850/1300 1500/500 1000 300/___ |
| G4 = OM4 BIF (50µm) | 850/1300 3500/500 1100 550/___ |
| 5 | FIBER COUNT |
| 012 to 864 fibers ** | |
| 6 | FIBER GRADE |
| SINGLE-MODE | |
| Attenuation (dB/km) | Wavelength (nm) Fiber Type |
| E1 = 0.40/0.40/0.30 ** | 1310/1383/1550 HB, ES, CE, B1, CU, or B2 |
| E3 = 0.35/0.35/0.25 | 1310/1383/1550 B1, CU, or B2 |
| MULTIMODE | |
| Attenuation (dB/km) | Wavelength (nm) Fiber Type |
| M2 = 3.5/1.0 | 850/1300 G6 |
| M3 = 3.0/1.0 | 850/1300 G3, G4, or G5 |

* Multi-mode fibers from 12 to 216f designs only

** 576 to 864 fibers E1 attenuation code only