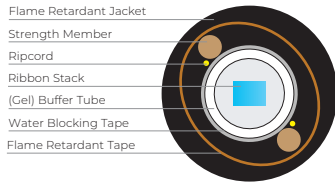
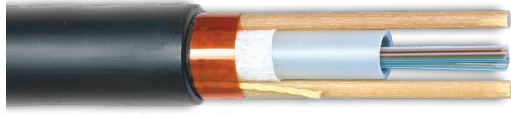


GenSPEED® FusionLink™ Indoor/Outdoor

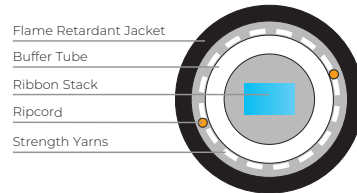
Ribbon Central Tube Riser (Gel) Cable



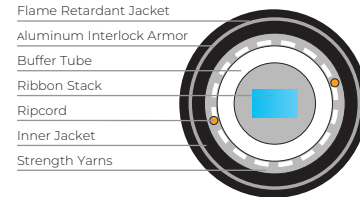
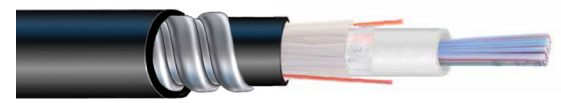
12-432f Dielectric & Armored



864f Dielectric



864f Armored



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

Bend Radius			
Dynamic	20 x Cable OD		
Static (Single Bend)	10 x Cable OD		
Static (Cable Coil)	15 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)



Prysmian

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na.prysmian.com
TLS-DS-B-103-0625

GenSPEED® FusionLink™ Indoor/Outdoor

Ribbon Central Tube Riser (Gel) Cable



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

GenSPEED® FusionLink™ Indoor/Outdoor

Ribbon Central Tube Riser (Gel) Cable



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

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)				
	B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)				
	B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
MULTIMODE *		Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
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, B1, or B2	
E3 = 0.35/0.35/0.25		1310/1383/1550		B1 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

