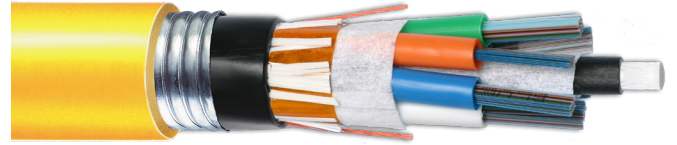
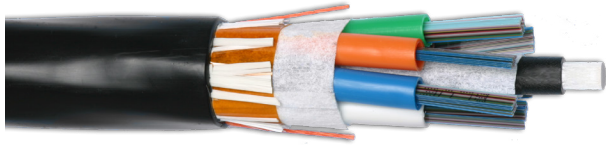


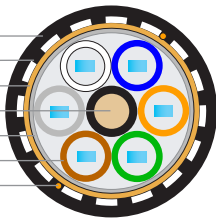
GenSPEED® MassLink™ Indoor/Outdoor Ribbon

Multi-Tube Ribbon Cable for Transitional Aerial and Duct Applications

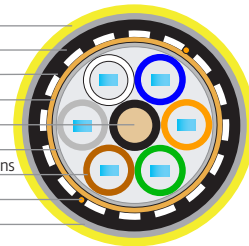
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- Flame Retardant Jacket
- Outer Strength Members
- Flame Retardant Tape
- Central Strength Member
- Water Blocking Tape
- Gel-Filled Buffer Tube w/ Optical Fiber Ribbons
- Ripcord



- Flame Retardant Outer Jacket
- Flame Retardant Inner Jacket
- Outer Strength Members
- Flame Retardant Tape
- Central Strength Member
- Water Blocking Tape
- Gel-Filled Buffer Tube w/ Optical Fiber Ribbons
- Ripcord
- Interlock Armor



FEATURES AND BENEFITS

Indoor/Outdoor Design

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

Flame Retardant Construction

- Riser design complies with UL 1666 and is OFNR and OFN-FT4 rated
- LSZH design complies with UL 1685 and is OFN-LS and OFN-ST1 rated

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

Flexible Buffer Tubes

- Increased flexibility and kink resistance
- Facilitates route management in closures
- Eliminates need for closure transportation tubing

Multiple Buffer Tubes Stranded In Reverse Oscillated Lay

- Facilitates mid-span access of fibers
- Simplifies handling and management of ribbons
- Individual fibers/ribbons can be accessed more quickly and safely

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

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 TLS-DS-B-108-0224

GenSPEED® MassLink™ Indoor/Outdoor Ribbon

Multi-Tube Ribbon Cable for Transitional Aerial and Duct Applications

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Fiber Count Range	Recommended Fiber Count	Recommended Prysmian** Part Number	12f Ribbons/ Tube	Tube Positions	Buffer Tube OD		Cable OD		Approx. Cable Weight		Max. Reel Length	
					Inches	mm	Inches	mm	lb/kft	kg/km	feet	meters

GenSPEED® MassLink Indoor/Outdoor (Riser)

288 – 432	432	RRLTK-12-AA-432-BB	4-6	6	0.24	6.2	0.89	22.6	272	405	19,244	5,867
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GenSPEED® MassLink Indoor/Outdoor Interlock Armor(Riser)

288 – 432	432	RRLTKAJ-12-AA-432-BB	4-6	6	0.24	6.2	1.24	31.5	603	897	11,155	3,400
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GenSPEED® LSZH MassLink Indoor/Outdoor (OFN-ST1)

288 – 432	432	RZLTK-12-AA-432-BB	4-6	6	0.24	6.2	0.89	22.6	278	415	19,244	5,867
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GenSPEED® MassLink Indoor/Outdoor Interlock Armor(OFN-ST1)

288 – 432	432	RZLTKAJ-12-AA-432-BB	4-6	6	0.24	6.2	1.24	31.5	600	894	11,155	3,400
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**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: Riser Rated, 432 count, GenSPEED®MassLink™ Indoor/Outdoor 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 & CONSTRUCTION	RRLTK = GenSPEED® MassLink™ Indoor/Outdoor (Riser) RRLTKAJ = GenSPEED® MassLink™ Indoor/Outdoor Interlock Armor (Riser) RZLTK = GenSPEED® LSZH MassLink™ Indoor/Outdoor (OFN-ST1) RZLTKAJ = GenSPEED® LSZH MassLink™ Indoor/Outdoor Interlock Armor (OFN-ST1)
3 FIBER GROUPING	12 = 12f Ribbons

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

Multimode fibers are only available in riser rated cables only

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)			
	BB = BendBright™ Single-Mode (ITU G.657.A1 & G.652.D)			
	BX = BendBrightXS™ Single-Mode (ITU G.657.A2 & .B2, & G.652.D)			
	RISER RATED CABLES ONLY	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)
	MULTIMODE			10 GbE Dist (m)
	G6 = OM1 (62.5µm)	850/1300	200/500	300/550
	G5 = OM2+ BIF (50µm)	850/1300	700/500	800
	G3 = OM3 BIF (50µm)	850/1300	1500/500	1000
	G4 = OM4 BIF (50µm)	850/1300	3500/500	1100
5 FIBER COUNT	288 to 432 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, BB, or BX	
	E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, BB, or BX	
	MULTIMODE			
	Attenuation (dB/km)	Wavelength (nm)		
	M2 = 3.5/1.0	850/1300		
	M3 = 3.0/1.0	850/1300		

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