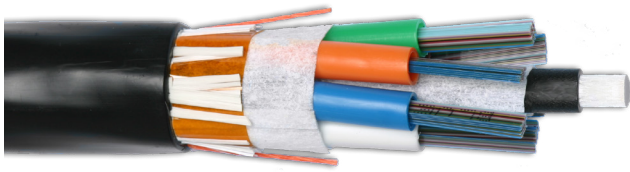


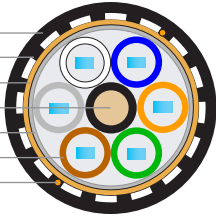
GenSPEED® MassLink™ Indoor/Outdoor Ribbon

Multi-Tube Ribbon Cable for Transitional Aerial and Duct Applications

Prysmian



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



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-FT1 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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4 Tesseneer Drive, Highland Heights, KY 41076
+1-859-572-8000 / na.prysmiangroup.com
TLS-DS-B-108-0721

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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	0.84	22.6	272	405	19,244	5,867
GenSPEED® MassLink Indoor/Outdoor Interlock Armor(Riser)												
288 – 432	432	RRLTKAJ-12-AA-432-BB	4-6	6	0.24	6.2	0.84	22.6	278	415	19,244	5,867
GenSPEED® LSZH MassLink Indoor/Outdoor (OFN)												
288 – 432	432	RZLTK-12-AA-432-BB	4-6	6	0.24	6.2	1.24	31.5	603	897	11,155	3,400

**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)

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 FIBER GROUPING	4 FIBER TYPE	5 FIBER COUNT	6 FIBER GRADE
F	RRLTK	12	HB	432	E1

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)	
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				
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			
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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