MassLink™ Indoor/Outdoor Ribbon

Multi-Tube Ribbon cable for transitional aerial and duct applications

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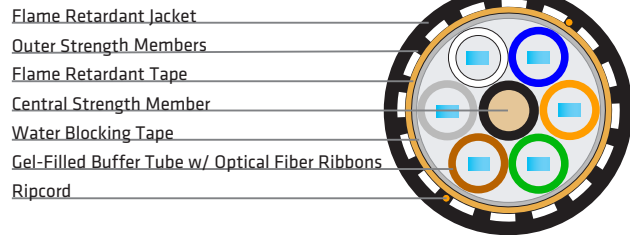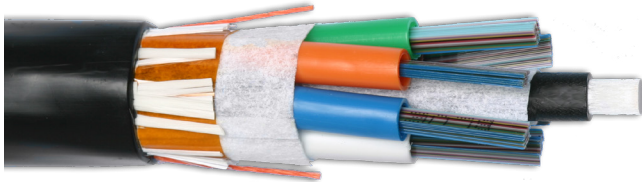
Features and Benefits

Indoor/Outdoor Design

- Saves space and time by eliminating splices at the cable vault

- 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

Dry Water-Blocking Technology

- Permits rapid cable preparation and termination

- Water-blocking materials are easily removed

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		
Bend Radius		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
Tensile Rating	**N**	**lbf**
Installation	2700	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

TLS-DS-B-108-0220

Prysmian Group

PRYSMIAN
Draka
General Cable

MassLink™ Indoor/Outdoor

Multi-Tube Ribbon cable for transitional aerial and duct applications

Nominal Cable Design Parameters

Flame Rating		Riser	Low-Smoke, Zero-Halogen
Fiber Count		288-432	288-432
12f Ribbons/Tube		4-6	4-6
Tube Positions		6	6
Buffer Tube OD	(mm)	6.2	6.2
	(inches)	0.24	0.24
Cable OD	(mm)	22.6	22.6
	(inches)	0.84	0.84
Cable Weight	(kg/km)	405	415
	(lb/kft)	272	278
Max. Length	(m)	5,867	5,867
	(ft)	19,244	19,244

Nominal Interlock Armor Design Parameters

Flame Rating		Riser
Fiber Count Range		288-432
Cable OD	(mm)	31.5
	(inches)	1.24
Cable Weight	(kg/km)	897
	(lb/kft)	603
Max. Length	(m)	3,400
	(ft)	11,155

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, MassLink™ Indoor/Outdoor Cable with G.652.D LWP Single-Mode Fiber and 0.40/0.40/0.30 attenuation.

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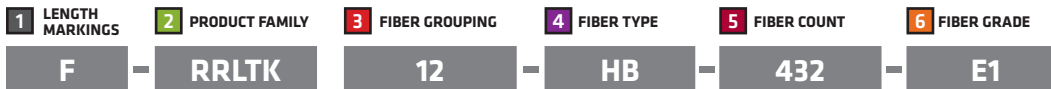
PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY & CONSTRUCTION

RRLTK = MassLink™ Indoor/Outdoor (Riser)

RRLTKAJ = MassLink™ Indoor/Outdoor Interlock Armor (Riser)

RZLTK = 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.

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)

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/___

(RISER RATED CABLES ONLY)

5 FIBER COUNT

288-432 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	

Other cable constructions and fiber performance grades available on request. Multimode fibers are only available in riser rated cables only

TLS-DS-B-108-0220