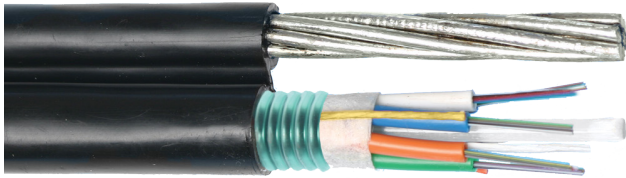


AeroLink™ Armored Figure-8

Self-Supporting Cable

Prysmian



1/4" Galvanized Steel Strand (6.6M)

Jacket Web

MDPE Outer Jacket

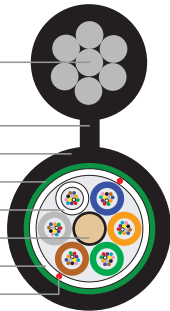
Corrugated Steel Armor

Dry or Gel Buffer Tube with Optical Fibers

Central Strength Member

Water Blocking Tape

Ripcord



FEATURES AND BENEFITS

Integral Stranded, Galvanized Steel Messenger

- Self-supporting design requires no over-lashing, allowing installation in a single pass
- Standard 1/4" EHS (6.6M) galvanized strand
- Web, jacket and strand dimensions sized for standard hardware

Dry Water-Blocking Technology

- Available with gel or dry buffer tubes
- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

2.5 mm Flexible Buffer Tubes

- Enhanced kink resistance and increased flexibility
- Facilitates route management in closures
- Eliminates need for closure transportation tubes

Medium Density Polyethylene Jacket

- Low friction installation
- Excellent protection from environmental hazards
- Embedded stripe on outer jacket available for additional cable identification

Sheath Markings

- Provide positive identification and length verification
- Custom print available

Reverse Oscillated Lay Stranding Method

- Facilitates access of fibers

Performance

- Meets or exceeds the requirements of Telcordia GR-20, ICEA 640, and RUS PE90
- Tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables

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
MRCL with Messenger*	14,923	3350
Cable Installation w/o Messenger	2,700	600
Cable Residual w/o Messenger	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 load should be lower than Maximum Rated CableLoad to allow for wind and ice loading in accordance with NESC guidelines.

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AeroLink™ Armored Figure-8

Self-Supporting Cable

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Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Cable OD		Approx. Cable Weight		Max. Reel Length		Sag*** (Feet)		
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	feet	meters	@750 lbs	@1000 lbs	@1250 lbs

DRY

4 to 60	6	F8D1A1J-12-AA-006-BB	XX0064M1N-DT	5	0.46 x 0.93	11.8 x 23.5	235	350	35,073	10,693	0.89	0.67	0.53
	12	F8D1A1J-12-AA-012-BB	XX0124M1N-DT										
	24	F8D1A1J-12-AA-024-BB	XX0244M1N-DT										
	36	F8D1A1J-12-AA-036-BB	XX0364M1N-DT										
72	72	F8D1A1J-12-AA-048-BB	XX0484M1N-DT	6	0.50 x 0.96	12.6 x 24.3	244	363	28,621	8,726	0.95	0.72	0.57
84 to 96	96	F8D1A1J-12-AA-072-BB	XX0724M1N-DT	8	0.56 x 1.02	14.3 x 26.0	271	404	23,826	7,267	1.03	0.77	0.62
108 to 144	144	F8D1A1J-12-AA-096-BB	XX0964M1N-DT	12	0.69 x 1.15	17.6 x 29.3	232	480	16,735	5,102	1.27	0.95	0.76
156 to 216	216	F8D1A1J-12-AA-144-BB	XX1444M1N-DT	18	0.70 x 1.17	17.9 x 29.6	233	480	16,318	4,975	1.25	0.94	0.75

GEL

4 to 60	6	F8A1A1J-12-AA-006-BB	XX0064M1N-DWB	5	0.46 x 0.93	11.8 x 23.5	239	355	35,073	10,693	0.89	0.67	0.53
	12	F8A1A1J-12-AA-012-BB	XX0124M1N-DWB										
	24	F8A1A1J-12-AA-024-BB	XX0244M1N-DWB										
	36	F8A1A1J-12-AA-036-BB	XX0364M1N-DWB										
72	72	F8A1A1J-12-AA-048-BB	XX0484M1N-DWB	6	0.50 x 0.96	12.6 x 24.3	252	375	28,621	8,726	0.95	0.72	0.57
84 to 96	96	F8A1A1J-12-AA-072-BB	XX0724M1N-DWB	8	0.56 x 1.02	14.3 x 26.0	267	398	23,826	7,267	1.03	0.77	0.62
108 to 144	144	F8A1A1J-12-AA-096-BB	XX0964M1N-DWB	12	0.69 x 1.15	17.6 x 29.3	355	498	16,735	5,102	1.27	0.95	0.76
156 to 216	216	F8A1A1J-12-AA-144-BB	XX1444M1N-DWB	18	0.70 x 1.17	17.9 x 29.6	335	498	16,318	4,975	1.25	0.94	0.75

*Where XX equals glass type

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

***Typical Sag Values are for a 150 foot span installed at the listed tensions

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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: 36 count AeroLink™ dry, figure-8 armored cable with G.652.D LWP single-mode fiber and 0.35/0.35/0.25 attenuation.



PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
F8D = AeroLink™ Figure-8 (Dry Tubes)	
F8A = AeroLink™ Figure-8 (Gel Tubes)	
3	CONSTRUCTION
1A1J = Single Armor, Single Jacket	
4	FIBER GROUPING
12 = 12f per tube	

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

FIBER INFORMATION				
5	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				
BB = BendBright Single-Mode (ITU G.657.A1 & G.652.D)				
BX = Bend-BrightXS Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
TU = TeraLight Ultra Single-Mode (ITU G.655 & G.656)				
LE = LEAF NZDSF (ITU G.655)				
MULTIMODE				
	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = 0M1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = 0M2+ BIF (50µm)	850/1300	700/500	800	150/___
G3 = 0M3 BIF (50µm)	850/1300	1500/500	1000	300/___
G4 = 0M4 BIF (50µm)	850/1300	3500/500	1100	550/___
6	FIBER COUNT			
2 to 216 fibers				
7	FIBER GRADE			
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)	Fiber Type		
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE		
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, BB, or BX		
NA = 0.40/0.25	1310/1550	TeraLight Ultra Single-Mode		
N1 = 0.25	1550	LEAF Single-Mode		
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.