

Outside Plant

AeroLink™ Figure-8

SELF-SUPPORTING CABLE

for Aerial Figure-8 Applications

Features and Benefits

Integral Stranded, Galvanized Steel Messenger

- > Self-Supporting design requires no overlashing, 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

- > Permits rapid cable preparation and termination
- > Water-Blocking materials are easily removed

Flexible Buffer Tubes

- > Superior 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 (ROL) Stranding Method

- > Facilitates mid-span access of fibers

Performance

- > Meets or exceeds the requirements of Telcordia GR-20, Issue 2 and ICEA 640, and is tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables

Registered Supplier

- > ISO 9001, ISO 14001, and TL 9000

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	2700	600
Cable Residual w/o Messenger	800	180

*Installation load should be lower than Maximum Rated Cable Load to allow for wind and ice loading in accordance with NESC guidelines.

Crush Resistance

	N/cm	lbf/in
Short Term/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

Performance Specifications

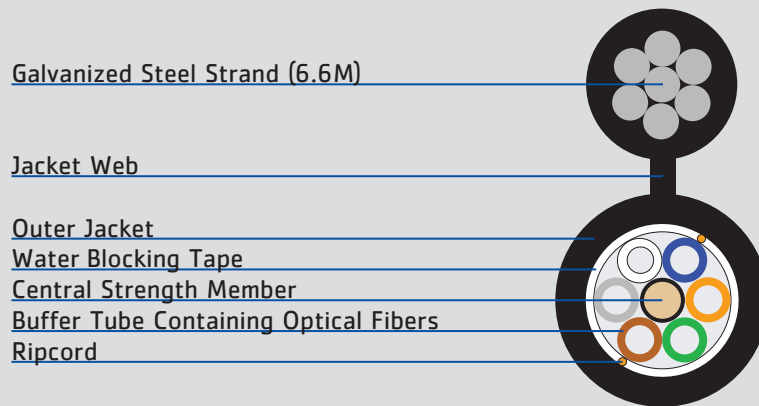


NOMINAL DESIGN PARAMETERS

Fiber Count		2-60	62-72	74-96	98-144	146-216	
Buffer Tube Count		5	6	8	12	18	
Max. Fibers/Tube		12	12	12	12	12	
Buffer Tube OD	(mm)	2.65	2.65	2.65	2.65	2.65	
	(inches)	0.104	0.104	0.104	0.104	0.104	
Cable Dimensions	(mm)	11.8 x 23.45	12.65 x 24.3	14.4 x 26.05	17.7 x 29.35	18.0 x 29.65	
	(inches)	0.46 x 0.92	0.50 x 0.96	0.57 x 1.03	0.70 x 1.16	0.71 x 1.17	
Cable Weight	(kg/km)	310	323	351	425	413	
	(lb/kft)	208	217	236	286	278	
Max. Length	(m)	10,380	9,749	7,989	5,768	5,615	
	(ft)	35,522	31,977	26,204	18,919	18,417	
Sag*	@ 750 lbs	(ft)	0.78	0.81	0.88	1.07	1.04
	@ 1000 lbs	(ft)	0.58	0.61	0.66	0.80	0.78
	@ 1250 lbs	(ft)	0.47	0.49	0.53	0.64	0.62

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

CABLE CONSTRUCTION



ORDERING INFORMATION

Select a part number according to the fiber count you want:

Fiber Count	1	2	
0002-0006	<input type="checkbox"/>	<input type="checkbox"/>	S1LAFE8MA
0008-0036	<input type="checkbox"/>	<input type="checkbox"/>	T1LAFE8MA
0038-0216	<input type="checkbox"/>	<input type="checkbox"/>	S1LAFE8MA

Note: Standard lay-up for fiber counts of 12 or more is 12 fibers per tube. Please call for custom lay-ups.

Then, use the following options to complete the part number:

1 Fiber Type

H = G.652.D Single-Mode Low Water Peak
Z = Corning™ SMF-28e+ Fiber

2 Attenuation

B = 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm
C = 0.40/0.40/0.30 dB/km @ 1310/1383/1550 nm

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

Example:

If you need a 36 count AeroLink™ Figure-8 Cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation order Part Number 0036HCT1LAFE8MA.

To place an order, contact us in one of the following ways:

700 Industrial Drive, Lexington SC 29072 - (800) 669-0808 (Inside Sales) - Fax (800) 951-5040 - comm.cables@prysmian.com