

Outside Plant

AeroLink™ Figure-8 Armored 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

Corrugated Steel Armor

- > Provides additional mechanical protection

Sheath Markings

- > Provides positive identification and length verification

Reverse Oscillated Lay Stranding Method

- > Facilitates mid-span access of fibers

Performance

- > Meets or exceeds the requirements of Telcordia GR-20, Issue 3 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 Rating

	°C	°F
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167



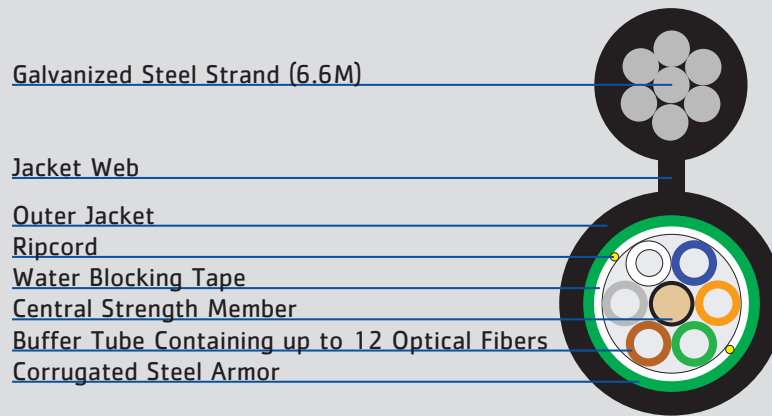
Performance Specifications

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 OD	(mm)	12.10 x 23.75	13.6 x 25.25	15.3 x 26.95	19.1 x 30.75	19.4 x 31.05
	(inches)	0.47 x 0.93	0.54 x 0.99	0.60 x 1.06	0.75 x 1.21	0.76 x 1.22
Cable Weight	(kg/km)	352	379	409	505	498
	(lb/kft)	237	255	275	339	335
Max. Length	(m)	10,693	8,726	7,267	5,102	4,975
	(ft)	35,073	28,621	23,836	16,735	16,318
Sag*	@ 750 lbs	(ft) 0.89	0.95	1.03	1.27	1.25
	@ 1000 lbs	(ft) 0.67	0.72	0.77	0.95	0.94
	@ 1250 lbs	(ft) 0.53	0.57	0.62	0.76	0.75

*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"/>	S1LAFE8JA
0008-0036	<input type="checkbox"/>	<input type="checkbox"/>	T1LAFE8JA
0038-0216	<input type="checkbox"/>	<input type="checkbox"/>	S1LAFE8JA

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

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

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

Example:

If you need a 36 count AeroLink™ Armored Figure-8 Cable with G.652.D LWP Single-Mode fiber and 0.40/0.40/0.30 attenuation order Part Number 0036HCT1LAFE8JA.

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