

Wire Rope

VERSITEC MARINE E INDUSTRIAL S.A. DE C.V.



HHI is an Authorized Distributor for Bridon American Wire Rope and Wire Rope Works, Inc.

We also distribute wire rope imported from a variety of sources.



BRIDON

Authorized Bridon Wire Rope Distributor



Wire Rope Works, Inc.
manufacturer of Bethlehem Wire Rope®

Authorized Wire Rope Works Distributor

- ▶ General Performance Ropes
- ▶ High Performance Crane Ropes
- ▶ Winch Lines
- ▶ Riser Tensioner Ropes
- ▶ Mooring Lines
- ▶ Rotary Drill Lines
- ▶ Sand Lines
- ▶ Tubing Lines
- ▶ Swage Lines
- ▶ Mining Ropes
- ▶ Large Diameter Ropes



Please visit www.hhilifting.com
for a broad list of Wire Ropes in
our inventory.



Tel. (646) 178 27 93

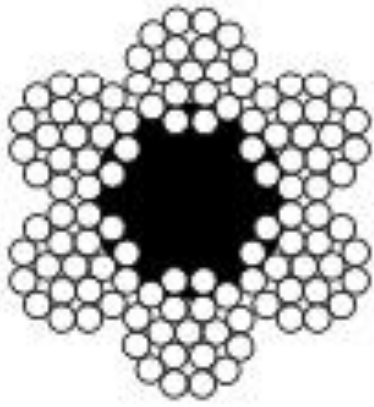


Versitecmx@gmail.com

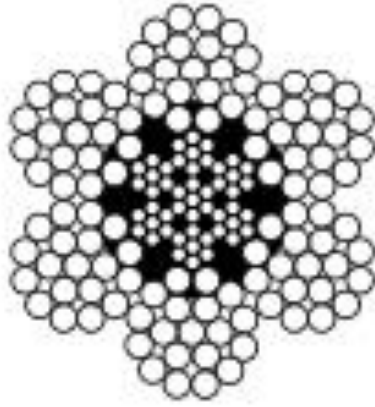


Versitecmx.com

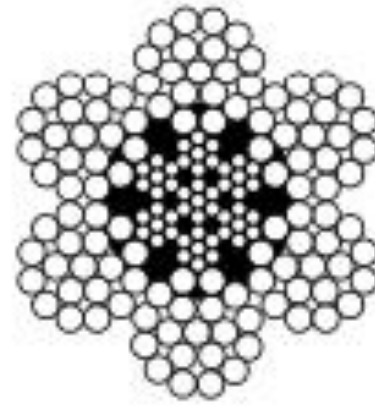
Bright Wire Rope - 6 x 19 Class



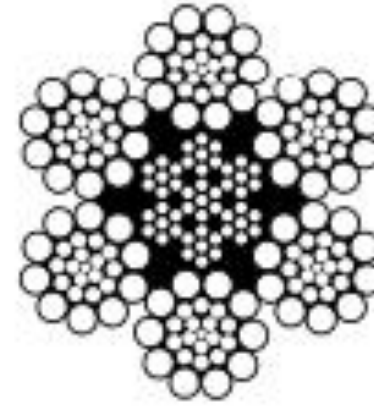
6 X 25 FILLER WIRE
WITH FIBER CORE



6 X 19 SEALE
WITH IWRC



6 X 25 FILLER WIRE
WITH IWRC



6 X 26 WARRINGTON
SEALE WITH IWRC

FIBER CORE (EIPS)

Diameter in Inches	Breaking Strength in Tons*
1/4	3.01
5/16	4.69
3/8	6.71
7/16	9.10
1/2	11.80
9/16	14.90
5/8	18.40
3/4	26.20
7/8	35.40
1	46.00
1.1/8	57.90
1.1/4	71.10

IWRC (EIPS)**

Diameter in Inches	Approx. Weight per Foot in Pounds	Breaking Strength in Tons*
1/4	0.116	3.40
5/16	0.180	5.27
3/8	0.260	7.55
7/16	0.350	10.20
1/2	0.460	13.30
9/16	0.590	16.80
5/8	0.720	20.60
3/4	1.040	29.40
7/8	1.420	39.80
1	1.850	51.70
1.1/8	2.340	65.00
1.1/4	2.890	79.90
1.3/8	3.500	96.00
1.1/2	4.160	114.00
1.5/8	4.880	132.00
1.3/4	5.670	153.00
2	7.390	198.00
2.1/4	9.360	247.00
2.3/8	10.400	274.00
2.1/2	11.600	302.00

**EIPS available in some sizes and constructions.

According to A.S.T.M. A1023/1023M Wire Rope for General Purposes and Federal Specification RR-W-410, current revision, as applicable. Meets the performance requirements of API-9A. Preformed, right regular lay.

*Listed for comparison only. Actual operating loads should never exceed the recommended design factor or 20% of catalog Breaking Strength.

NOTE: Lang lay, left lay, alternate lay, Seale available in some sizes. Heavy lubrication on request.



Tel. (646) 178 27 93

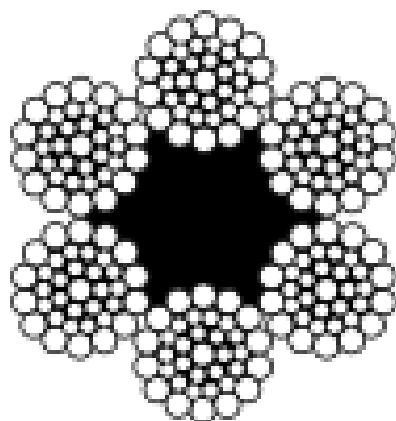


Versitecmx@gmail.com

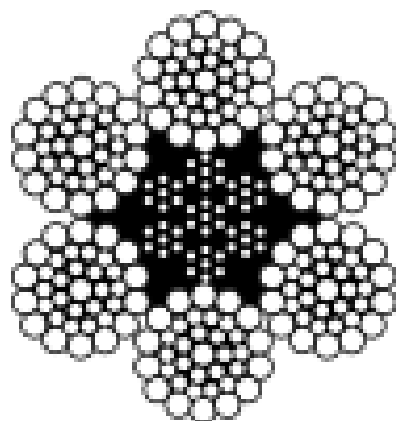


Versitecmx.com

Bright Wire Rope - 6 x 36 Class



6 X 36 WARRINGTON
SEAL WITH FIBER CORE



6 X 36 WARRINGTON
SEAL WITH IWRC

FIBER CORE (EIPS)

Diameter in Inches	Breaking Strength in Tons*
1/4	3.01
5/16	4.69
3/8	6.71
7/16	9.10
1/2	11.80
9/16	14.90
5/8	18.40
3/4	26.20
7/8	35.40
1	46.00
1.1/8	57.90
1.1/4	71.10

IWRC (EIPS)**

Diameter in Inches	Approx. Weight per Foot in Pounds	Breaking Strength in Tons*
1/4	0.116	3.40
5/16	0.180	5.27
3/8	0.260	7.55
7/16	0.350	10.20
1/2	0.460	13.30
9/16	0.590	16.80
5/8	0.720	20.60
3/4	1.040	29.40
7/8	1.420	39.80
1	1.850	51.70
1.1/8	2.340	65.00
1.1/4	2.890	79.90
1.3/8	3.500	96.00
1.1/2	4.160	114.00
1.5/8	4.880	132.00
1.3/4	5.670	153.00
2	7.390	198.00
2.1/4	9.360	247.00
2.1/2	11.600	302.00
2.3/4	14.000	361.00
3	16.600	425.00
3.1/2	22.700	572.00

**EEIPS available in some sizes and constructions.

According to A.S.T.M. A1023/1023M Wire Rope for General Purposes and Federal Specification RR-W-410, current revision, as applicable. Meets the performance requirements of API-9A.Preformed, right regular lay.

*Listed for comparison only. Actual operating loads should never exceed the recommended design factor or 20% of catalog Breaking Strength.



Tel. (646) 178 27 93



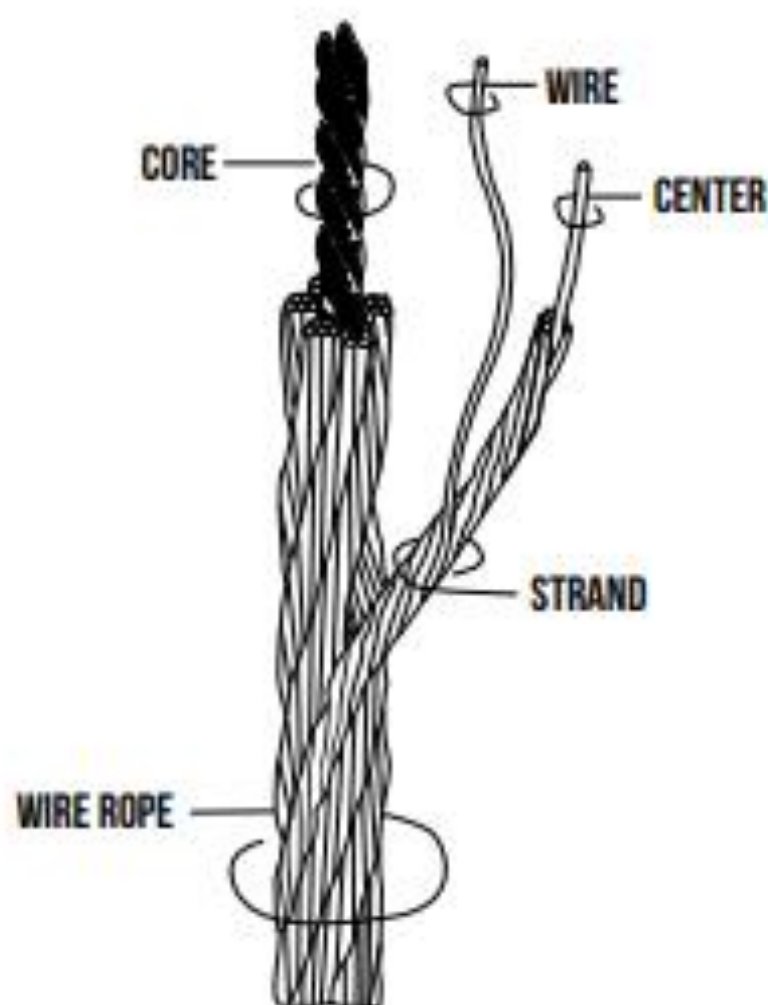
Versitecmx@gmail.com



Versitecmx.com



Inspection Procedure



The most widely used wire rope replacement, inspection, and maintenance standard for mobile-type cranes is ASME B30.5, section 5-2.4. Following is an excerpt from that standard:

For more information on wire rope, please see the Wire Rope User's Manual.

All running ropes in service should be visually inspected once each working day. A visual inspection shall consist of observation of all rope which can reasonably be expected to be in use during the day's operations. These visual observations should be concerned with discovering gross damage, such as listed below which may be an immediate hazard:

[A] Distortion of the rope such as kinking, crushing, unstranding, birdcaging, main strand displacement, or core protrusion. Loss of rope diameter in a short rope length or unevenness of outer strands should provide evidence that the rope must be replaced.

[B] General Corrosion

[C] Broken or Cut strands

[D] Number, distribution, and type of visible broken wires

[E] Core failure in rotation resistant ropes: when such damage is discovered, the rope shall be either removed from service or given an inspection (further detail per S-2.4.2).

The frequency of detailed and thorough inspections should be determined by a qualified person, who takes into account the following factors:

- ▶ Expected rope life as determined by [a] maintenance records, and [b] experience on the particular installation or similar installations.
- ▶ Severity of environment.
- ▶ Percentage of capacity lifts.
- ▶ Frequency rates of operation, and exposure to shock loads.

Inspect the entire length of the rope. Some areas of the wire rope such as around the core are more difficult to inspect. To inspect the core, examine the rope as it passes over the sheaves. The strands have a tendency to open up slightly which will afford the inspector a better view of the core. Also regularly inspect for any reduction in diameter and lengthening of rope lay as both conditions indicate core damage.



For more information on wire rope, Holloway Houston advises to read the Wire Rope Users Manual.

