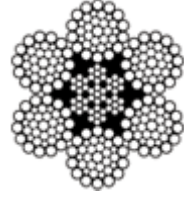


GENERAL PURPOSE WIRE ROPE

- 6x36 IWRC
- 6X19 IWRC
- 6X26 IWRC

6x36 IWRC



- Fatigue resistant
- Abrasion resistant

The 6x36 classification of wire ropes includes standard 6 strand, round strand ropes with 27 through 49 wires per strand.

The 6x36 ropes are important for their fatigue resistance. This fatigue resistance is made possible by the greater number of small wires per strand.

Although there are exceptions for special applications, the constructions in 6x36 classification are primarily designed to be the most efficient for each rope diameter. As the rope size increases, for instance, a large number of wires can be used to achieve required fatigue resistance, and still those wires will be large enough to offer adequate resistance to abrasion.

Characteristics of Standard 6 x 36 Class ropes

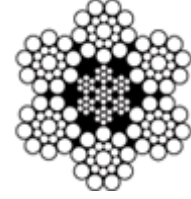
In most rope sizes, only one 6 x 36 classification rope is made. These constructions were selected to provide fatigue resistance without having wires that are too small.

The greater number of wires in the 6 x 36 classification makes these ropes more susceptible to crushing. This can be minimized, however, by specifying an Independent Wire Rope Core (IWRC) and by using well designed sheaves, grooved drums and proper operating techniques.

6x36 IWRC Strength and Weights Chart

Diameter (in)	Weight (lb/ft)	Minimum Breaking Force (tons of 2000 lbs.) XIP
1/4	0.116	3.4
5/16	0.18	5.27
3/8	0.26	7.55
7/16	0.35	10.2
1/2	0.46	13.3
9/16	0.59	16.8
5/8	0.72	20.6
3/4	1.04	29.4
7/8	1.42	39.8
1	1.85	51.7
1 1/8	2.34	65
1 1/4	2.89	79.9
1 3/8	3.5	96
1 1/2	4.16	114
1 5/8	4.88	132
1 3/4	5.67	153
1 7/8	6.5	174
2	7.39	198
2 1/8	8.35	221
2 1/4	9.36	247
2 3/8	10.4	274
2 1/2	11.6	302
2 5/8	12.8	331
2 3/4	14	361
2 7/8	15.3	392
3	16.6	425
3 1/8	18	458
3 1/4	19.5	492
3 3/8	21	529
3 1/2	22.7	564
3 5/8	24.3	602
3 3/4	26	641
3 7/8	27.7	680
4	29.6	720
4 1/8	31.7	757
4 1/4	33.3	799
4 3/8	35.4	844

6x19 IWRC



- Abrasion resistant
- Crush resistant

The 6x19 classification of wire ropes includes standard 6 strand, round strand ropes with 16 through 26 wires per strand. This is a good rope to withstand abrasion or crushing on the drum. Ropes with independent wire rope strands and a core (IWRC) in general, are more crush resistant than fiber core ropes.

When you purchase our 6x19 Class of wire ropes, you get more than just another rope. Manufactured in an ISO 9001 certified factory and backed by the industry's largest staff of professional engineers, we do more than meet published specifications.

Our quality begins with our raw material qualification process. All of our suppliers must meet rod standards that are more stringent than industry standards. We then track the rod coils through the manufacturing process for full traceability. And we don't stop there; the tracking continues into the field as each schedule is tracked to the customer. In addition to tracking, throughout the manufacturing process we break test wires and tie that information to the coil and/or reel of rope. Through these actions, we know the characteristics of the rope from its infancy and know who purchased it when it was completed. This peace of mind is what you should expect from the leader.

Characteristics of Standard 6 x 19 Class ropes:

6 x 19S (Seale) - This is a good rope to withstand abrasion or crushing on the drum but its fatigue resistance is decreased.

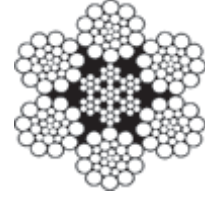
6 x 25FW (Filler Wire) - To most wire rope users, 6 x 19 means 6 x 25 filler wire. It is a common rope in the 6 x 19 classification.

6 x 26WS (Warrington Seale) - A standard 6 x 26WS design provides the best rope for a wide range of applications. In general, we recommend the use of a 6 x 26WS in any application where a 6 x 25FW is used.

6x19 IWRC Strength and Weights Chart

Diameter (in)	Weight (lb/ft)	Minimum Breaking Force (tons of 2000 lbs.) XIP
1/4	0.116	3.4
5/16	0.18	5.27
3/8	0.26	7.55
7/16	0.35	10.2
1/2	0.46	13.3
9/16	0.59	16.8
5/8	0.72	20.6
3/4	1.04	29.4
7/8	1.42	39.8
1	1.85	51.7
1 1/8	2.34	65
1 1/4	2.89	79.9
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3 1/2	22.7	564
3 5/8	24.3	602
3 3/4	26	641
3 7/8	27.7	680
4	29.6	720
4 1/8	31.7	757
4 1/4	33.3	799
4 3/8	35.4	844

6x26 WS IWRC



- Fatigue resistance comparable to a 6x25FW
- Recommended in any application where a 6x25FW is used

The 6x26 WS has better resistance to abrasion than a 6x25FW. It features a compact construction with solid support for the wires; therefore it has a high resistance to crushing. Its number and relative size of the inner wires add to the stability of the strand and gives it a fatigue resistance comparable to a 6x25 FW. A standard 6X26 WS construction provides the best rope for a wide range of applications. In general, we recommend the use of the 6x26WS in any application where a 6x25FW is used.

6x26 WS IWRC Strength and Weights Chart

Diameter (in)	Weight (lb/ft)	Minimum Breaking Force (tons of 2000 lbs.) XIP
1/4	0.116	3.4
5/16	0.18	5.27
3/8	0.26	7.55
7/16	0.35	10.2
1/2	0.46	13.3
9/16	0.59	16.8
5/8	0.72	20.6
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Available galvanized at 10% lower strengths,
or in equivalent strengths on special request.