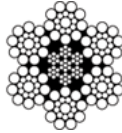




PRODUCT CATALOG

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 Union's 6x19 Class of wire ropes, you get more than what meets the eye. Built in an ISO 9001 certified factory and backed by the industry's largest staff of professional engineers, we do more than produce to spec.

Our quality begins with our raw material qualification process which suppliers must meet standards that are more stringent than industry. We then document rod coils through completion rope manufacturing for full traceability. We don't stop there; the traceability continues into the field as each schedule is tracked to the customer. Throughout the manufacturing process we break test wires and tie that information to the coil and/or reel of rope. Thus ensuring we know the characteristics of the rope from its infancy and know it meets or exceeds our published strengths.

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 (inches)

Diameter (in)	Approx. Wire Weight (lb/ft)	Minimum Breaking Force (tons of 2000 lbs.)		
		IPS	XIP	XXIP
1/4	0.116	2.94	3.40	--
5/16	0.18	4.58	5.27	--
3/8	0.26	6.56	7.55	8.30
7/16	0.35	8.89	10.2	11.2
1/2	0.46	11.5	13.3	14.6
9/16	0.59	14.5	16.8	18.5
5/8	0.72	17.9	20.6	22.7
3/4	1.04	25.6	29.4	32.4
7/8	1.42	34.6	39.8	43.8
1	1.85	44.9	51.7	56.9
1 1/8	2.34	56.5	65	71.5
1 1/4	2.89	69.4	79.9	87.9
1 3/8	3.50	83.5	96	106
1 1/2	4.16	98.9	114	125
1 5/8	4.88	115	132	146
1 3/4	5.67	133	153	169

1 7/8	6.50	152	174	192
2	7.39	172	198	217
2 1/8	8.35	192	221	244
2 1/4	9.36	215	247	272
2 3/8	10.4	239	274	--
2 1/2	11.6	262	302	--
2 5/8	12.8	288	331	---
2 3/4	14.0	314	361	--
2 7/8	15.3	341	392	--
3	16.6	370	425	--
3 1/8	18.0	399	458	--
3 1/4	19.5	429	492	--
3 3/8	21.0	459	529	--
3 1/2	22.7	491	564	--
3 5/8	24.3	523	602	--
3 3/4	26.0	557	641	--
3 7/8	27.7	591	680	--
4	29.6	627	720	--
4 1/8	31.7	658	757	--
4 1/4	33.3	694	799	--
4 3/8	35.4	734	844	--
For comparison, click here to see 6x19 Fiber Core version.				

Union, a WireCo WorldGroup brand, produces wire rope for a variety of applications – each with their own exacting specifications. We employ the most experienced, talented, licensed engineers in the industry to design solutions for your application. Eight WireCo WorldGroup manufacturing operations and seven distribution centers in North America, plus manufacturing facilities in Mexico, Germany and China, give our customers unparalleled support and global reach. Find out for yourself why Union wire ropes have proven themselves time and time again in the field. **Union: Tested, Tough & True.**

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