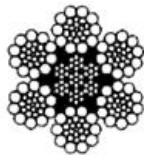




BRIGHT STEEL CABLE

Bright Steel (IWRC) General Purpose RRL Wire Rope



6x26

ROPE SIZE	CONST.	M.B.S. (LBS.)
3/8"	6X26	15,100
7/16"	6X26	20,400
1/2"	6X26	26,600
9/16"	6X26	33,600
5/8"	6X26	41,200
3/4"	6X26	58,800
7/8"	6X26	79,600
1"	6X26	103,400



6x36

ROPE SIZE	CONST.	M.B.S. (LBS.)
3/8"	6X36	15,100
7/16"	6X36	20,400
1/2"	6X36	26,600
9/16"	6X36	33,600
5/8"	6X36	41,200
3/4"	6X36	58,800
7/8"	6X36	79,600
1"	6X36	103,400
1-1/8"	6X36	143,000
1-1/4"	6X36	175,800

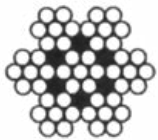
Custom lengths available from 1ft to 5000 ft continuous.

SASKATOON - 3235 Millar Avenue, Saskatoon SK S7K 5Y3
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 email: sales@northernstrands.com

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GALVANIZED AIRCRAFT CABLE

Galvanized Aircraft Cable (7x7, 7x19 IWRC RL)



7x7



7x19

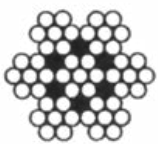
ROPE SIZE	BREAK STRENGTH (LBS.)	CONST.	LENGTH PER REEL
1/16"	480 LBS	7X7	500'
1/16"	480 LBS	7X7	1000'
1/16"	480 LBS	7X7	5000'
3/32"	920 LBS	7X7	500'
3/32"	920 LBS	7X7	1000'
3/32"	920 LBS	7X7	5000'

ROPE SIZE	BREAK STRENGTH	CONST.	LENGTH PER REEL
1/8"	2,000 LBS	7X19	1000'
1/8"	2,000 LBS	7X19	2500'
1/8"	2,000 LBS	7X19	5000'
5/32"	2,800 LBS	7X19	1000'
5/32"	2,800 LBS	7X19	2500'
5/32"	2,800 LBS	7X19	5000'
3/16"	4,200 LBS	7X19	1000'
3/16"	4,200 LBS	7X19	2500'
3/16"	4,200 LBS	7X19	5000'
1/4"	7,000 LBS	7X19	1000'
1/4"	7,000 LBS	7X19	2500'
1/4"	7,000 LBS	7X19	5000'
5/16"	9,800 LBS	7X19	500'
5/16"	9,800 LBS	7X19	1000'
5/16"	9,800 LBS	7X19	5000'
3/8"	14,000 LBS	7X19	500'
3/8"	14,000 LBS	7X19	5000'



STAINLESS STEEL AIRCRAFT CABLE

Stainless Steel Aircraft Cable (7x7, 7x19 IWRC RL)



7x7



7x19

- For corrosive environments.
- Water use.
- Adverse weather.
- Any conditions where long term durability is required.

ROPE SIZE	BREAK STRENGTH (LBS.)	CONST.
1/16"	480	7X7
3/32"	920	7X7
1/8"	1,700	7X19
5/32"	2,400	7X19
3/16"	3,700	7X19
1/4"	6,400	7X19
5/16"	9,000	7X19
3/8"	12,000	7X19

Custom lengths available from 1ft to 5000ft continuous.

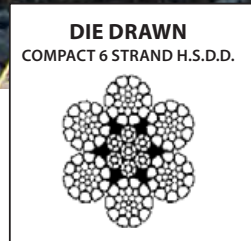
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Progressioner Cable



NORTHERN STRANDS IS A PREMIUM SUPPLIER OF PROGRESSIONER CABLES

Die Drawn - 6 Strand

Applications: Surface Mining, Construction, Logging, Oil Fields, Winch Lines, Car Pullers/Progressioner.

CABLE COMPOSITION AND BENEFITS

Northern Strands uses 6 x 26 Warrington Seale Compacted Strand IWRC. This cable has a smoother bearing surface at the strand crowns and an increase in minimum breaking force over round strand rope of the same diameter and classification.

GENERAL CHARACTERISTICS

Compacted cables have more load bearing capacities than the standard cables with same diameters. Abrasion is less and usage lives are longer as they contact the reel surfaces in a larger area.

- High Strength to Diameter Ratio
- High Resistance to Abrasion
- High Resistance to Crushing
- Better Fatigue Resistance
- Equals Better Service Life

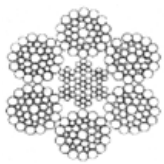
WEIGHTS AND BREAKING LOADS TABLE			
DIA. INCHES	WEIGHT LBS/FT	BREAKING STRENGTH LBS	CONSTRUCTION
3/4"	1.09	64,800	6 X 26
7/8"	1.49	87,600	6 X 26
1"	1.94	113,800	6 X 26 & 6 X 31
1 1/8"	2.46	143,000	6 X 31
1 1/4"	3.03	175,800	6 X 31

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HIGH PERFORMANCE CRANE ROPES

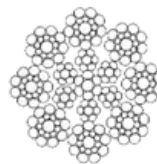


6x36

Not Dyformed
Not Galvanized
6 x 19 Construction

6-Strand Hoist Rope to Suit European Overhead Cranes

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
5.0	19.7	0.14
5.5	22.1	0.16
8	37.3	0.27
9	53.8	0.34
10	69.4	0.42
11	80.7	0.52
12	110.0	0.60
13	124.0	0.72
14	144.0	0.84
15	169.0	0.99
16	178.4	1.10
18	226.2	1.36
19	251.8	
20	279.0	1.68



8x19

Not Dyformed
Not Galvanized

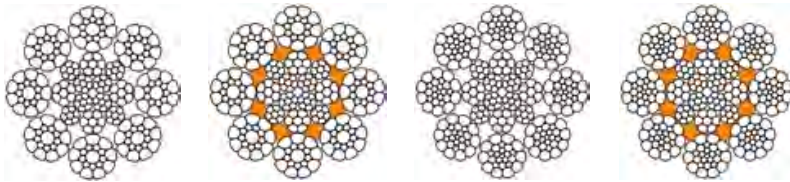
8-Strand European Style Hoisting Rope to Suit DEMAG Overhead Cranes

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
6.5	24.8	0.10
7.5	37.3	0.16
8	42.3	0.27
9	53.4	0.34
10	66.3	0.43
11	80.1	0.52
12	95.2	0.63
13	112.1	0.73

CRANEMAX L8K Special Hoist

Diameter		Metallic area		Mass		MBF		
mm	in	mm ²	in ²	kg/m	lb/ft	kN	Tonnes	kips
13		92.1	0.143	0.761	0.511	162	16.5	36.5
14		107	0.166	0.882	0.593	188	19.2	42.3
15		123	0.190	1.01	0.680	216	22.0	48.6
16	5/8	137	0.213	1.13	0.762	242	24.7	54.4
17		140	0.216	1.15	0.774	246	25.1	55.3
		158	0.244	1.30	0.874	277	28.3	62.4
18		177	0.274	1.46	0.980	311	31.7	70.0
19	3/4	197	0.305	1.62	1.09	347	35.3	78.0
20		218	0.338	1.80	1.21	384	39.1	86.4
22		264	0.409	2.18	1.46	465	47.4	105
	7/8	269	0.417	2.22	1.49	474	48.3	107
24		314	0.487	2.59	1.74	553	56.4	124
25		335	0.520	2.81	1.89	594	60.5	134
	1	346	0.537	2.90	1.95	613	62.5	138
26		363	0.562	3.04	2.04	642	65.5	145
28		421	0.652	3.53	2.37	745	75.9	168
	1 1/4	438	0.679	3.67	2.47	776	79.1	175
30		483	0.749	4.05	2.72	855	87.2	192
	1 1/4	541	0.839	4.54	3.05	958	97.6	215

These figures are for guidance only. Other features, such as MBF, dimensions, lay type and plastic fill can be designed on request. MBF values are referred to 2160 grade, custom values are available on demand.



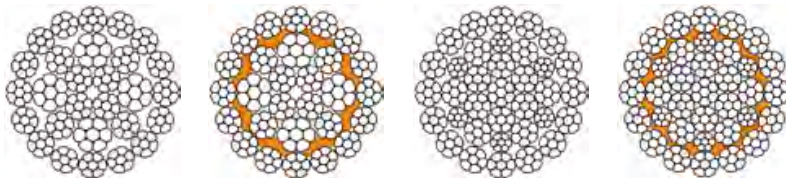
- Smoother contact surface in respect to conventional hoist ropes
- High resistance to side pressure and crushing
- Enhanced resistance to fleet angle if plastic impregnated



CRANEMAX XL35K Rotation Resistant

Diameter		Metallic area		Mass		MBF		
mm	in	mm ²	in ²	kg/m	lb/ft	kN	Tonnes	kips
10		56.0	0.087	0.490	0.329	100	10.2	22.5
11		67.8	0.105	0.593	0.398	121	12.3	27.2
12		80.6	0.125	0.706	0.474	144	14.7	32.4
13	1/2	90.3	0.140	0.790	0.531	161	16.4	36.3
14		94.6	0.147	0.828	0.556	169	17.2	38.0
14		110	0.170	0.960	0.645	196	20.0	44.1
15		126	0.195	1.10	0.741	225	22.9	50.6
16	5/8	141	0.219	1.23	0.830	252	25.7	56.7
16		143	0.222	1.25	0.843	256	26.1	57.6
17		162	0.251	1.42	0.952	289	29.5	65.0
18		181	0.281	1.59	1.07	324	33.0	72.9
19	3/4	210	0.326	1.81	1.21	361	36.8	81.2
20		233	0.361	2.00	1.34	400	40.8	90.0
22		282	0.437	2.42	1.63	484	49.3	109
22	7/8	288	0.446	2.47	1.66	494	50.4	111
24		336	0.520	2.88	1.94	576	58.7	130
25		364	0.564	3.13	2.10	625	63.7	141
25	1	376	0.582	3.23	2.17	645	65.8	145
26		394	0.610	3.38	2.27	676	68.9	152
28		457	0.708	3.92	2.63	784	79.9	176
28	1 1/8	476	0.737	4.08	2.74	817	83.2	184
30		524	0.813	4.50	3.02	900	91.7	203
32	1 1/4	587	0.910	5.04	3.39	1010	103	227
32		596	0.925	5.12	3.44	1020	104	230
34		673	1.04	5.78	3.88	1160	118	260
35	1 3/8	710	1.10	6.10	4.10	1220	124	274
36		755	1.17	6.48	4.36	1300	132	292
38	1 1/2	841	1.30	7.22	4.85	1440	147	325
40		932	1.44	8.00	5.38	1600	163	360

These figures are for guidance only. Other features, such as MBF, dimensions, lay type and plastic fill can be designed on request. MBF values are referred to 2160 grade, custom values are available on demand.

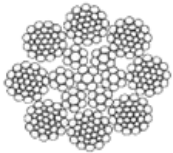


- Excellent rotational properties
- Extremely high MBF
- Enhanced resistance to fleet angle if plastic impregnated

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HIGH PERFORMANCE CRANE ROPES

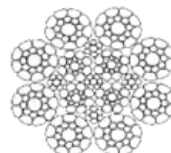


8x36

Not Dyformed
Not Galvanized

8 x 36 IWRC

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
13	112.1	0.49
14	129.9	0.57
15	149.1	0.66
16	169.5	0.73
18	214.9	0.94
19	238.9	1.05
20	264.7	1.16

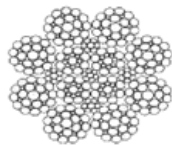


8x19

SIG
Not Dyformed
Not Galvanized

Ultra Strength 8-Strand Ordinary Lay - Galvanized (ISO Class B) Ultra Strength Steel 2160 MPa

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
6.4/6.5	41.8	0.20
7.2	51.6	0.25
8	63.0	0.30
9	76.8	0.37
10	98.5	0.47
11	122.0	0.58
12	145.0	0.70



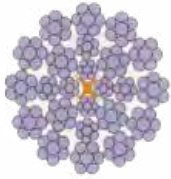
8-FIG

Not Dyformed
Not Galvanized

8 x 25 IWRC

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
13	165.5	0.77
14	194.8	0.90
15	221.6	1.03
16	253.9	1.17
18	320.9	1.48
19	347.7	1.62
20	396.3	1.82
22	484.0	2.22
24	568.0	2.64

HIGH PERFORMANCE CRANE ROPES NRHD 24

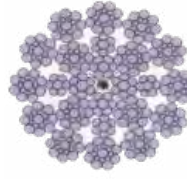


24 x 7

Dyformed Galvanized

Ordinary Lay - Galvanized
Ultra Strength Steel 2160 Mpa
NRHD24 (7 Wires of 84 Outer Wires)

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
7.0/7.2	42.0	0.21
8	56.0	0.27
9	68.5	0.34
10	86.0	0.42
11	104.0	0.51
12	124.5	0.61
13	145.0	0.71
14	175.0	0.86



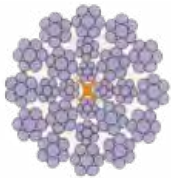
24 x 17

Dyformed Galvanized

Ordinary Lay - Galvanized
NRHD24 (17 Wires of 204 Outer Wires)

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
15	195	0.99
15	221.0	1.12
18	278.0	1.41
19	309.0	1.56
20	342.0	1.72
22	415.0	2.09
24	495.0	2.5

HIGH PERFORMANCE CRANE ROPES 35 X 7

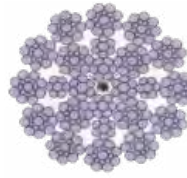


HP-28

Dyformed Galvanized

Ordinary Lay - Galvanized
Ultra Strength Steel 2160 Mpa
Construction 28 x 7 Notor HP

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
10	96.0	0.465
12	136.0	0.670
13	162.2	0.800
14	188.0	0.925
15	218.0	1.060
16	242.0	1.190
17	273.0	1.300



HP-32

Dyformed Galvanized

35 x 7 Class - Construction:
32 x 7 Notor HP

ROPE DIAMETER MM	MINIMUM BREAKING STRENGTH kN	WEIGHT KG PER METER
18	312.0	1.505
19	348.0	1.690
20	389.0	1.930
21	430.0	2.130
22	468.0	2.315
23	510.0	2.530
24	551.4	2.750
25	598.00	2.990
26	642.00	3.210
28	756.00	3.900