

Compacted / Swaged Rope



**Bishop Lifting
Products, Inc.**

www.Lifting.com


Kiswire
www.kiswire.com

ELEPHANT COMPACTED ROPE

With brilliant recent advancements in various industrial machines and facilities, ropes used in industrial facilities are required highly improved quality and performance.

Responding to such a new requirement from users, we have succeeded in commercializing the Compacted Rope thanks to the continuous R&D efforts on the development of Special Rope since early 90's.

The Compacted Rope developed by KISWIRE is well recognized for its excellent quality in over 70 foreign countries.

Manufactured in optimum designing and advanced precision technologies, KISWIRE's Compacted Rope satisfies customer needs with excellent and long life regardless of any hostile work environments.

- 1) Manufactured by the most advanced production facilities and precision technology
- 2) Optimally designed using the state-of-the-art computer graphic systems
- 3) Controlled under the Quality Control System approved by the ISO 9001 accreditation, from raw materials to finished products.

Quality Assurance

KISWIRE has been always trying their best to upgrade the quality and recently succeeded in having accreditation to ISO 9001/14001 so as to keep the more reliable quality assurance.

(Please see the below copied certificate of approval.)



FEATURES

1. Higher Load to Weight

Since KISWIRE's Compacted Rope has larger valid metallic cross-sectional area, it has higher breaking load than the Round Rope having same diameter.

Therefore;

- 1) The Compacted Rope allows to use ropes with smaller diameter.
- 2) It is economical since the working capacity increases due to its higher breaking load compared with other rope.
- 3) Making facilities lighter and smaller is possible. (Winch drum, Sheave, etc.)

* The Compacted Rope has higher breaking load by 13-18% over Round Rope.

2. Intense Resistance against Abrasion

With the surface of strand and rope being flattened to have wider contact area between Sheave and Rope, the Compacted Rope features an intense resistance against abrasion, because it has very little local abrasion owing to the small plane pressure applied to individual wires.

3. Rare Occurrence of Breakage

The Compacted Rope does not have a secondary bending, and it is extremely rare for its wires to rise up due to internal abrasion and corrosion. The strong resistance is retained when used under severe conditions like heavy loading, and wire cut arising from bending fatigue rarely occurs since it reduces a ternary bending.

4. Sufficient Resistance against Corrosion

Since the wires of Compacted Rope are adhered tight into each other with the outer wire being processed flattened, it is hard for water, dusts, and other harmful substances from outside to intrude into it.

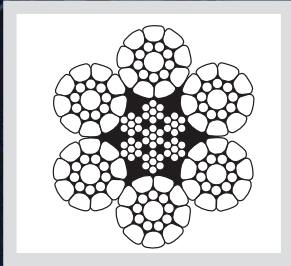
Therefore, the Compacted Rope is much stronger against corrosion than the Round Rope.

5. Extended Life of Winch Drum and Sheave

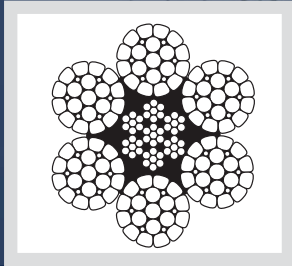
With its surface being flattened, the surface area of wire in contact with Winch drum and Sheave in the Compacted Rope is large with a smooth contact. Therefore, it extends the life of Winch Drum and Sheave.



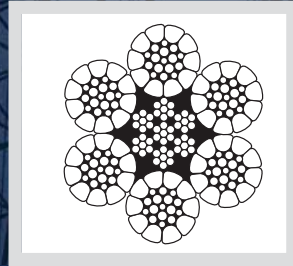
COMPACTED ROPE - 6STRAND IWRC(STEEL CORE)



6 x P.S { 19 : 1+9+9 } + IWRC



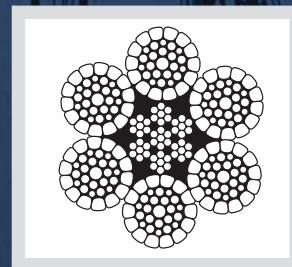
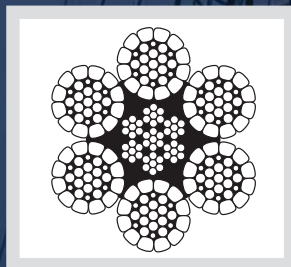
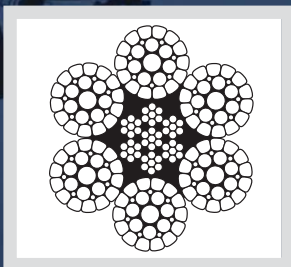
6 x P.Fi { 25:1+6+(6)+12 } + IWRC



6 x P.WS { 26:1+5+(5+5)+10 } + IWRC

Nominal diameter		Min. Breaking strength						Approx.Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	10	8.5	84	18,800	9.9	89	20,000	0.461	0.310	3,050
7/16	11.1	10.2	100	22,500	11.4	112	25,100	0.568	0.382	3,050
	12	11.9	117	26,200	12.7	125	28,000	0.664	0.446	3,050
1/2	12.7	13.4	131	29,500	14.2	139	31,300	0.720	0.484	3,050
	13	14.0	137	30,900	14.9	146	32,800	0.769	0.517	3,050
9/16	14.3	17.0	167	37,500	18.2	178	40,100	0.930	0.625	2,000
5/8	16	21.2	208	46,700	22.6	222	49,800	1.150	0.773	3,050
	18	26.9	264	59,300	28.7	281	63,300	1.450	0.974	3,050
3/4	19.1	30.3	297	66,800	32.3	317	71,200	1.630	1.100	3,050
	20	33.2	326	73,200	35.4	347	78,000	1.790	1.200	3,050
	22	40.2	394	88,600	42.9	421	94,600	2.170	1.460	3,050
7/8	22.2	41.7	409	91,900	44.5	436	98,100	2.210	1.490	3,050
	24	47.9	470	105,600				2.580	1.730	2,440
	25	52.0	510	114,600				2.800	1.880	2,440
1	25.4	53.7	527	118,400				2.890	1.940	2,440
	26	56.2	551	123,900				3.030	2.040	2,000
	28	65.2	639	143,700				3.510	2.360	2,000
1-1/8	28.6	68.0	667	149,900				3.660	2.460	2,100
	30	74.8	734	164,900				4.030	2.710	3,800
1-1/4	31.8	84.1	825	185,400				4.530	3.040	3,300
	32	85.2	836	187,800				4.590	3.080	3,300
	34	96.1	942	211,900				5.180	3.480	2,950
1-3/8	35	102.0	1,000	224,900				5.460	3.670	2,600
	36	108.0	1,059	238,100				5.810	3.900	2,600
	38	120.0	1,177	264,600				6.510	4.370	2,600
	40	133.0	1,304	293,200				7.160	4.810	2,600

COMPACTED ROPE - 6STRAND IWRC(STEEL CORE)



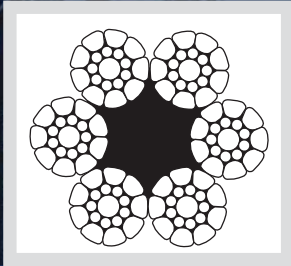
6 × P.Fi {29:1+7+(7)+14} + IWRC

6 × P.WS {31:1+6+(6+6)+12} + IWRC

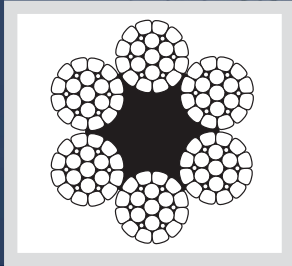
6 × P.WS {36:1+7+(7+7)+14} + IWRC

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	10	8.6	84	18,900	9.1	90	20,100	0.474	0.318	2,000
7/16	11.1	10.3	101	22,700	10.9	107	24,000	0.570	0.383	3,050
	12	12.0	118	26,500	12.8	126	28,200	0.682	0.458	3,050
1/2	12.7	13.5	132	29,800	14.3	140	31,500	0.749	0.503	3,050
	13	14.1	138	31,100	15.0	147	33,100	0.785	0.527	3,050
9/16	14.3	17.2	169	37,900	18.3	179	40,300	0.950	0.638	2,000
5/8	16	21.4	210	47,200	22.8	224	50,300	1.180	0.793	3,050
	18	27.1	266	59,700	28.9	283	63,700	1.490	1.000	3,050
3/4	19.1	30.5	299	67,200	32.5	319	71,600	1.680	1.130	3,050
	20	33.4	328	73,600	35.6	349	78,500	1.840	1.240	3,050
	22	40.5	397	89,300	43.2	424	95,200	2.230	1.500	3,050
7/8	22.2	42.0	412	92,600	44.5	436	98,100	2.270	1.530	3,050
	24	48.2	473	106,300	51.4	504	113,300	2.650	1.780	2,440
	25	52.3	513	115,300	55.8	547	123,000	2.890	1.940	2,440
1	25.4	54.0	530	119,000	57.6	565	127,000	2.980	2.000	2,440
	26	56.6	555	124,800	60.4	592	133,200	3.120	2.100	2,000
	28	65.6	643	144,600	70.0	686	154,300	3.610	2.430	2,000
1-1/8	28.6	68.5	672	151,000	73.1	717	161,200	3.770	2.530	2,000
	30	75.4	739	166,200	80.4	788	177,200	4.150	2.790	3,450
1-1/4	31.8	84.7	831	186,700	90.4	887	199,300	4.660	3.130	3,000
	32	85.7	840	188,900	91.5	897	201,700	4.720	3.170	3,000
	34	96.8	949	213,400				5.330	3.580	2,700
1-3/8	35	103.0	1,010	227,100				5.610	3.770	2,400
	36	109.0	1,069	240,300				5.970	4.010	2,400
	38	121.0	1,187	266,800				6.690	4.500	2,400
	40	134.0	1,314	295,400				7.380	4.890	2,400

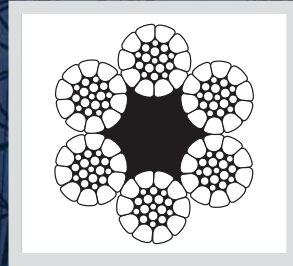
COMPACTED ROPE - 6STRAND FIBER CORE



6 x P.S {19:1+9+9} + FC



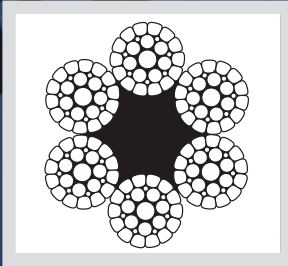
6 x P.Fi {25:1+6+(6)+12} + FC



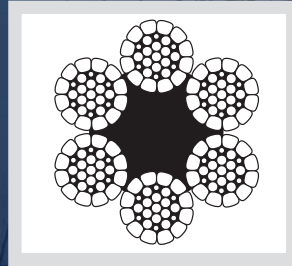
6 x P.WS {26:1+5+(5+5)+10} + FC

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	10	7.4	72	16,200	7.9	77	17,300	0.433	0.291	3,050
7/16	11.1	8.9	87	19,400	9.5	92	20,700	0.533	0.358	3,050
	12	10.3	101	22,700	11.0	108	24,300	0.623	0.419	3,050
1/2	12.7	11.5	113	25,400	12.3	121	27,100	0.676	0.454	3,050
	13	12.1	119	26,700	12.9	127	28,400	0.713	0.479	3,050
9/16	14.3	14.7	144	32,400	15.7	154	34,600	0.873	0.587	2,000
5/8	16	18.3	179	40,300	19.5	191	43,000	1.080	0.726	3,050
	18	23.2	256	51,100	24.7	242	54,500	1.360	0.914	3,050
3/4	19.1	26.1	228	57,500	27.8	273	61,300	1.530	1.030	3,050
	20	28.6	280	63,100	30.5	299	67,200	1.680	1.130	3,050
	22	34.6	339	76,300	36.9	362	81,300	2.080	1.400	3,050
7/8	22.2	35.9	352	79,100	38.3	376	84,400	2.110	1.420	3,050
	24	41.2	404	90,800				2.420	1.630	2,440
	25	44.7	438	98,500				2.630	1.770	2,440
1	25.4	46.1	452	101,600				2.710	1.820	2,440
	26	48.4	475	106,700				2.850	1.920	2,000
	28	56.1	550	123,700				3.290	2.210	2,000
1-1/8	28.6	58.5	574	129,000				3.440	2.310	2,100
	30	64.4	632	142,000				3.780	2.540	3,800
1-1/4	31.8	72.3	709	159,400				4.260	2.860	3,300
	32	73.2	718	161,400				4.310	2.900	3,300
	34	82.7	811	182,300				4.860	3.270	2,950
1-3/8	35	87.6	859	193,100				5.130	3.450	2,600
	36	92.7	909	204,400				5.460	3.670	2,600
	38	103.0	1,010	227,100				6.110	4.110	2,600
	40	114.0	1,118	251,300				6.730	4.520	2,600

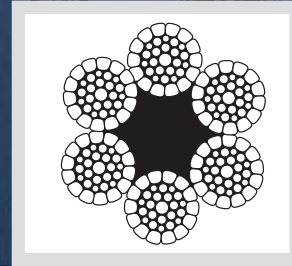
COMPACTED ROPE - 6STRAND FIBER CORE



6 x P.Fi {29:1+7+(7)+14} + FC



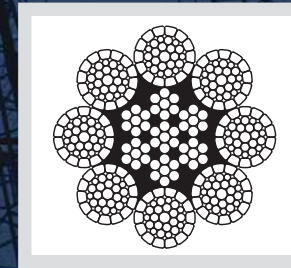
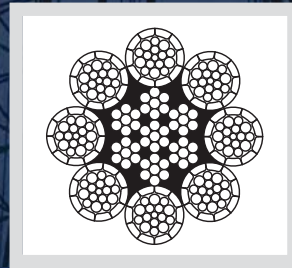
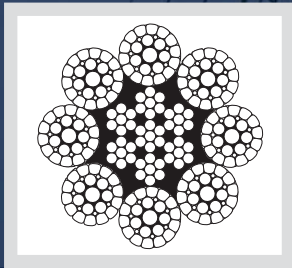
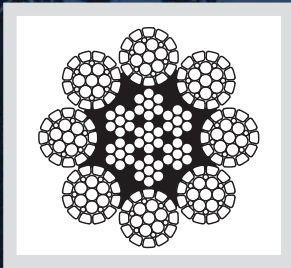
6 x P.WS {31:1+6+(6+6)+12} + FC



6 x P.WS {36:1+7+(7+7)+14} + FC

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	10	7.4	72	16,200	7.9	77	17,300	0.445	0.299	2,000
7/16	11.1	8.9	87	19,500	9.4	92	20,700	0.548	0.368	3,050
	12	10.3	101	22,700	11.0	108	24,300	0.640	0.430	3,050
1/2	12.7	11.5	113	25,400	12.3	121	27,100	0.704	0.473	3,050
	13	12.1	119	26,700	12.9	127	28,400	0.737	0.495	3,050
9/16	14.3	14.8	145	32,600	15.8	155	34,800	0.892	0.599	2,000
5/8	16	18.4	180	40,600	19.6	192	43,200	1.110	0.745	3,050
	18	23.3	228	51,400	24.8	243	54,700	1.400	0.940	3,050
3/4	19.1	26.2	257	57,800	27.9	274	61,500	1.580	1.060	3,050
	20	28.8	282	63,500	30.7	301	67,700	1.730	1.160	3,050
	22	34.8	341	76,700	37.1	364	81,800	2.090	1.400	3,050
7/8	22.2	36.1	354	79,600	38.5	378	84,900	2.130	1.430	3,050
	24	41.5	407	91,500	44.3	434	97,700	2.490	1.670	2,440
	25	45.0	441	99,200	48.0	471	105,800	2.700	1.810	2,440
	25.4	46.4	455	102,300	49.5	485	109,100	2.800	1.880	2,440
1	26	48.7	478	107,400	52.0	510	114,600	2.930	1.970	2,000
	28	56.5	554	124,600	60.3	591	132,900	3.390	2.280	2,000
	28.6	58.9	578	129,900	62.9	617	138,700	3.540	2.380	2,000
1-1/8	30	64.8	635	142,900	69.2	679	152,600	3.900	2.620	3,450
	31.8	72.9	715	160,700	77.8	763	171,500	4.370	2.940	3,000
1-1/4	32	73.8	724	162,700	78.8	773	173,700	4.430	2.980	3,000
	34	83.3	817	183,600				5.000	3.360	2,700
	35	88.3	866	194,700				5.270	3.540	2,400
1-3/8	36	93.4	916	205,900				5.610	3.770	2,400
	38	104.0	1,020	229,300				6.280	4.220	2,400
	40	105.0	1,128	253,500				6.930	4.660	2,400

COMPACTED ROPE - 8STRAND IWRC(STEEL CORE)



8 x P.Fi {25:1+6+(6)+12} + IWRC

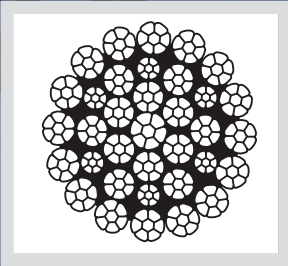
8 x P.Fi {29:1+7+(7)+14} + IWRC

8 x P.WS {26:1+5+(5+5)+10} + IWRC

8 x P.WS {36:1+7+(7+7)+14} + IWRC

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	10	8.5	83	18,700				0.445	0.299	2,000
7/16	11.1	10.4	102	22,900				0.549	0.369	3,000
	12	12.2	120	26,900				0.642	0.431	2,800
1/2	12.7	13.6	133	30,000				0.719	0.483	2,500
	13	14.3	140	31,500				0.753	0.506	2,300
9/16	14.3	17.3	170	38,100				0.911	0.612	1,800
5/8	16	21.7	213	47,800	24.1	236	53,100	1.140	0.766	1,600
	18	27.4	269	60,400	30.5	299	67,200	1.440	0.968	1,200
3/4	19.1	30.9	303	68,100	33.9	332	74,700	1.610	1.080	2,000
	20	34.2	335	75,400	37.6	369	82,900	1.780	1.200	1,800
	22	41.0	402	90,400	45.5	446	100,300	2.160	1.450	1,600
7/8	22.2	41.7	409	91,900	46.4	455	102,300	2.200	1.480	1,600
	24	48.8	479	107,600	54.2	532	119,500	2.570	1.730	1,500
	25	52.9	519	116,600	58.8	577	129,600	2.790	1.870	1,200
1	25.4	54.6	535	120,400	60.7	595	133,800	2.870	1.930	1,200
	26	57.3	562	126,300	63.6	624	140,200	3.010	2.020	1,100
	28	66.4	651	146,400	73.8	724	162,700	3.490	2.350	1,000
1-1/8	28.6	69.3	680	152,800	77.0	755	169,800	3.650	2.450	1,000
	30	76.2	747	168,000	84.7	831	186,700	4.010	2.690	2,500
1-1/4	31.8	85.7	840	188,900	95.2	934	209,900	4.500	3.020	2,400
	32	86.7	850	191,100	96.4	945	212,500	4.560	3.060	2,400
	34	97.9	960	215,800	1,09.0	1,069	240,300	5.150	3.460	2,000
1-3/8	35	104.0	1,020	229,300	1,15.0	1,128	253,500	5.460	3.670	1,950
	36	110.0	1,079	242,500				5.770	3.880	1,900
	38	122.0	1,196	269,000				6.400	4.300	1,700

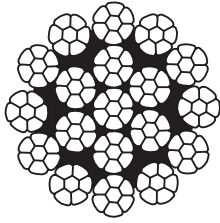
"COMPACTED" LOW ROTATION ROPE



35 x P.7 (WA) {1+6+(6+6)+16}

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	10	9.5	93	20,900	10.0	97	21,900	0.515	0.346	4,000
7/16	11.1	11.6	114	25,600	12.2	120	26,900	0.623	0.419	4,000
	12	13.6	133	30,000	14.3	140	31,500	0.742	0.499	4,000
1/2	12.7	15.2	149	33,500	16.0	157	35,300	0.830	0.558	4,000
	13	16.0	157	35,300	16.8	165	37,000	0.870	0.585	3,000
9/16	14.3	19.4	190	42,800	20.2	198	44,500	1.050	0.706	3,000
5/8	16	24.2	237	53,400	25.4	249	56,000	1.320	0.887	2,000
	18	30.7	301	67,700	32.2	316	71,000	1.670	1.120	2,000
3/4	19.1	34.2	335	75,400	35.9	352	79,100	1.860	1.250	2,500
	20	38.0	373	83,800	39.7	389	87,500	2.060	1.380	2,500
	22	45.9	450	101,200	48.1	472	106,000	2.470	1.660	2,500
7/8	22.2	46.7	458	103,000	49.0	481	108,000	2.520	1.690	1,500
	24	54.6	535	120,400	57.2	561	126,100	2.940	1.980	1,500
	25	59.2	581	130,500	62.1	609	136,900	3.210	2.160	1,500
1	25.4	61.2	600	134,900	64.1	629	141,300	3.310	2.220	1,500
	26	63.9	627	140,900	67.1	658	147,900	3.430	2.300	1,500
	28	70.8	694	156,100	77.9	764	171,700	3.980	2.670	1,500
1-1/8	28.6	73.8	724	162,700	81.2	796	179,000	4.150	2.790	1,500
	30	81.3	797	179,200	89.4	877	197,100	4.630	3.110	1,300
1-1/4	31.8	91.3	895	201,300				5.200	3.490	1,100
	32	92.6	908	204,100				5.270	3.540	1,100
	34	104.0	1,020	229,300				5.940	3.990	1,000
1-3/8	35	110.0	1,079	242,500				6.310	4.240	900
	36	117.0	1,147	257,900				6.660	4.480	900

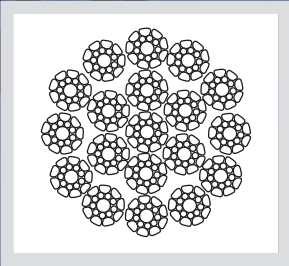
"COMPACTED" ROTATION RESISTANT ROPE



19 x P.7 {1+6+12}

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	7	4.3	42	9,500				0.226	0.152	2,500
	8	5.6	55	12,400				0.295	0.198	2,000
	9	7.1	70	15,700				0.373	0.251	4,000
	10	8.8	86	19,400				0.460	0.309	2,800
	11.1	10.8	106	23,800				0.579	0.389	2,500
	12	12.7	125	28,000				0.663	0.446	3,000
1/2	12.7	14.2	139	31,300				0.743	0.499	3,000
	13	14.9	146	32,800				0.778	0.523	3,000
9/16	14.3	18.0	177	39,700				0.902	0.606	3,000
5/8	16	22.5	221	49,600				0.942	0.633	2,500
	18	28.5	279	62,800	31.3	307	69,000	1.490	1.000	3,000
3/4	19.1	31.7	311	69,900	34.9	342	76,900	1.670	1.120	3,000
	20	35.2	345	77,600	38.6	379	85,100	1.840	1.240	3,000
	22	42.5	417	93,700	46.7	458	103,000	2.230	1.500	2,400
7/8	22.2	43.3	425	95,500	47.6	467	104,900	2.270	1.530	2,400
	24	50.6	496	111,600	55.6	545	122,600	2.650	1.780	2,000
	25	54.9	538	121,000				2.880	1.940	2,000
1	25.4	56.7	556	125,000				2.970	2.000	1,800
	26	59.4	583	131,000				3.110	2.090	1,800
	28	68.9	676	151,900				3.620	2.430	1,500

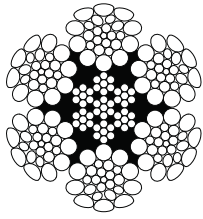
"COMPACTED" ROTATION RESISTANT ROPE



19 x PS (19) {1+9+9}

Nominal diameter		Min. Breaking strength						Approx. Weight		Max. Length
Inch	mm	KISWIRE - HIGH (200G)			KISWIRE - SUPER (220G)			kg/m	Lbs/ft	m
		Tonnef	kN	lb	Tonnef	kN	lb			
	8	5.6	55	12,300	6.2	60	13,600	0.312	0.210	3,050
	9	7.1	69	15,600	7.8	76	17,200	0.395	0.265	3,050
3/8	9.5	7.9	77	17,400				0.440	0.296	3,050
	10	8.7	86	19,300				0.488	0.328	3,050
7/16	11.1	10.8	106	23,800				0.602	0.405	3,050
	12	12.6	124	27,800				0.703	0.472	3,050
1/2	12.7	14.1	138	31,100				0.787	0.529	2,000
	13	14.8	145	32,600				0.824	0.554	2,000
9/16	14.3	17.9	176	39,500				0.998	0.671	2,000
5/8	16	22.4	220	49,400				1.250	0.840	1,525
	18	28.4	279	62,600				1.580	1.060	3,350
3/4	19.1	32.0	314	70,500				1.760	1.180	3,000
	20	35.0	343	77,200				1.950	1.310	2,700
	22	42.5	417	93,700				2.360	1.590	2,200
7/8	22.2	43.2	424	95,200				2.400	1.610	2,200
	24	50.5	495	111,300				2.810	1.890	2,200
	25	54.8	537	120,800	60.2	590	132,700	3.050	2.050	1,600
1	25.4	56.6	555	124,800	62.1	609	136,900	3.150	2.120	1,600
	26	59.3	582	130,700	65.1	638	143,500	3.300	2.220	1,600
	28	68.7	674	151,500	75.5	740	166,400	3.820	2.570	1,250
1-1/8	28.6	71.7	703	158,100	78.8	773	173,700	3.990	2.680	1,250
	30	78.9	774	173,900	86.7	850	191,100	4.390	2.950	1,140
1-1/4	31.8	88.7	870	195,500	97.4	955	214,700	4.930	3.310	1,140
	32	89.8	881	198,000	98.6	967	217,400	4.990	3.350	1,000
	34	101.0	990	222,700				5.640	3.790	850
1-3/8	35	107.0	1,049	235,900				5.980	4.020	800
	36	113.0	1,108	249,100				6.320	4.250	750

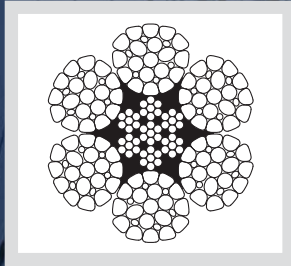
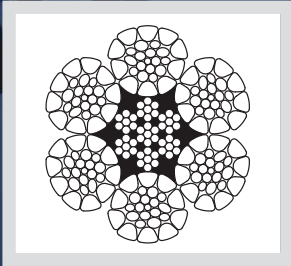
SWAGED ROPE



6 × WS{26:1+5+(5+5)+10} + IWRC

Nominal diameter		KISWIRE - NORMAL						KISWIRE - SUPER					
Inch	mm	Min. Breaking strength			Approx.Weight		Max. Length	Min. Breaking strength			Approx.Weight		Max. Length
		Tonnef	kN	lb	kg/m	Lbs/ft	m	Tonnef	kN	lb	kg/m	Lbs/ft	m
5/16	7.9	5.55	55	12,200	0.320	0.215	3,050	6.1	59.7	13,400	0.350	0.240	3,050
	8	5.69	56	12,500	0.330	0.222	3,050	6.3	61.3	13,800	0.360	0.240	3,050
	9	7.20	71	15,900	0.420	0.282	3,050	8.0	77.5	17,400	0.450	0.300	3,050
3/8	9.5	8.01	79	17,700	0.460	0.309	2,000	8.8	86.4	19,400	0.500	0.340	2,000
	10	8.88	87	19,600	0.500	0.336	3,050	9.8	95.7	21,500	0.560	0.380	3,050
	11	10.75	105	23,700	0.610	0.410	3,050	11.9	116.0	26,000	0.680	0.460	3,050
7/16	11.1	11.14	109	24,600	0.620	0.417	3,050	12.3	120.0	27,000	0.680	0.460	3,050
	12	12.79	125	28,200	0.730	0.491	3,050	14.0	137.0	30,900	0.800	0.540	3,050
1/2	12.7	14.33	141	31,600	0.836	0.558	3,050	15.7	154.0	34,700	0.900	0.600	3,050
9/16	14.3	17.96	176	39,600	1.045	0.706	3,500	19.7	193.0	43,500	1.160	0.780	3,050
5/8	16	22.22	218	49,000	1.290	0.867	3,050	24.4	240.0	53,900	1.420	0.950	3,050
11/16	17.5	26.60	261	58,600	1.840	1.236	3,050	29.2	287.0	64,500	1.680	1.130	3,050
	18	28.10	276	61,900	1.650	1.109	3,050	30.9	303.0	68,200	1.820	1.220	3,050
3/4	19	31.66	310	69,800	1.858	1.250	2,440	34.8	342.0	76,800	2.040	1.370	2,440
	20	35.08	344	77,300	2.060	1.384	2,200	38.6	378.0	85,100	2.260	1.520	2,200
7/8	22.2	43.30	425	95,500	2.529	1.693	3,050	47.8	469.0	105,400	2.760	1.850	3,050
	24	49.80	488	109,800	2.950	1.982	1,600	54.9	538.0	121,000	3.250	2.180	1,600
1	25.4	54.42	534	120,000	3.303	2.217	2,000	59.6	584.0	131,400	3.610	2.430	2,000
	26	57.02	559	125,700	3.460	2.325	1,600	62.7	615.0	138,300	3.820	2.570	1,600
1-1/8	28.6	64.85	636	143,000	4.181	2.809	1,600	71.2	698.0	157,000	4.570	3.070	1,600
	30	71.04	697	156,600	4.600	3.091	1,600	78.3	768.0	172,600	5.030	3.380	1,600
1-1/4	31.8	79.82	783	176,000	5.161	3.474	2,700	88.0	863.0	194,000	5.650	3.800	2,700
	32	81.83	802	180,400	5.710	3.837	2,700	90.2	884.0	198,800	6.230	4.190	2,700

COMPACTED & SWAGED ROPE



6 × WS{26:1+5+(5+5)+10} + IWRC 6 × FI{25:1+6+(6)+12} + IWRC

Nominal diameter		KISPAC(CMP+SWAGED)					
Inch	mm	Min. Breaking strength			Approx.Weight		Max.Length
		Tonnef	kN	lb	kg/m	Lbs/ft	m
1/2	12.7	16.8	164.9	37,100	0.940	0.630	5,000
9/16	14.3	21.5	210.9	47,400	1.180	0.790	4,000
5/8	16	25.8	252.9	56,900	1.460	0.980	3,000
11/16	17.5	30.9	302.5	68,100	1.740	1.170	3,000
	18	34.4	337.4	75,900	1.860	1.250	2,440
3/4	19	38.3	376.0	84,500	2.100	1.410	2,000
	20	40.6	397.8	89,400	2.320	1.560	2,000
7/8	22.2	50.9	499.0	112,200	2.860	1.920	2,500



A construction site at sunset. A large crane is positioned at the top of the frame, with its cables extending down to a large, dark, conical object being lifted. The background is a bright orange sky. In the foreground, the silhouettes of construction workers and scaffolding are visible against the dark ground.

A Future That Is Open to the World

Our gaze is always fixed upon the world
Our hearts are open to the future
With endless creativity and constant challenge
We widen our horizons and bring the future near
All the world is our workplace
And the future is our biggest market

How to Order Wire Ropes

To avoid errors it is necessary, when asking for quotations or placing orders, that the required rope be accurately specified. The best procedure is to use the Specification given in a previous order confirmation or invoice.

If the required rope has not been ordered before, please state the following data:

1. Construction and type of core : (ex. 6×19 +IWRC)
2. Ungalvanized or galvanized : (ex. Galvanized)
3. Diameter or circumference : (ex. 25mm)
4. Direction and type of lay : (ex. Right-Hand Regular Lay)
5. Preformed or non-preformed. : (ex. Preformed)
6. Lubrication : (ex. A-3 type)
7. Tensile strength : (ex. 180 Kgs/mm²)
8. Specification : (ex. BSS, API, DIN & etc.)
9. Packing : (ex. Coil, Wooden-drum etc.)
10. Usage : (ex. Fishing, Sky-line, Haul-back line & etc.)

If parts of these data are not stated, the rope will be supplied in the nearest current type. It is therefore, recommended always to state the service for which the rope is intended.

Clients who require our advice on improving the service life of ropes for an existing installation should furnish the following information:

- 1.The data of the ropes used so far (see above) and their performance in actual practice
- 2.A reeving diagram including all data on sheaves and drums such as diameters, size of grooves, groove spacing, pitch of grooves on the drum, lifting speed etc.
- 3.Intensity of service
- 4.Nominal and maximum loads
- 5.Number of layers of the rope on the drum with lifted load
- 6.Special conditions, such as corrosive atmosphere, high temperature exposure etc.

On the basis of these data we will be able to give expert advice on the type of rope to be used.

CAUTIONS & WARNINGS

KISWIRE shall not be liable under any circumstances for consequential or incidental damages resulting from the use of their products relating to personal injury, labor, cost or loss of profits.
KISWIRE agrees to replace any of its product to be defective in material.

WARNING : Any warranties, expressed or implied concerning the use of this product apply only to the nominal strength of new, unused wire rope.

All equipment using this product must be properly used and maintained. Wire rope must be properly stored, handled, used and maintained.

Most importantly, wire rope must be regularly inspected during use.

Damage, abuse or improper maintenance can cause rope failure. Wire rope removal criteria are based on the use of steel sheaves. If synthetic sheaves are used, consult the sheave equipment manufacturer.

KISWIRE INTERNATIONAL SERVICE NETWORK



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Tel. 31-183-666060 / Fax. 31-183-665021



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17 KISWIRE TRADING, INC.

460 Bergen Boulevard # 120 Palisades Park, NJ, 07650 U.S.A
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18 KISWIRE WEST INC.

3450 Wilshire Blvd. Suite #314, Los Angeles, CA 90010
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19 ARCELORMITTAL-KISWIRE LTD.

202 Montros West Avenue Suite No. 325 Copley Township Ohio 44321
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3 QINGDAO KISWIRE ARCELORMITTAL LTD.

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Tel. 86-513-8598-0111 Fax. 86-513-8598-0119

6 KISWIRE FINE METAL (Qingdao) LTD.

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7 KISWIRE CORD SDN. BHD.

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8 KISWIRE VIETNAM CO., LTD.

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