

VALUE OF **THE CUSTOMER**

We value the customer
The customer comes first

WIRE ROPE

PowerMax Rope

Product name: PowerMax

Explanation of products:

PowerMax Rope is the DSR's own brand name for large diameter wire ropes used for offshore industry and various mining applications.

Properties

World best high quality: Through DSR Wire Corp's unique drawing technique, our wire ropes ensure high ductility, our wire ropes consist of very fine microstructure, due to newest and brand new model of heat treatment equipment and unique technique.

Best quality of component wire rope and excellent life time

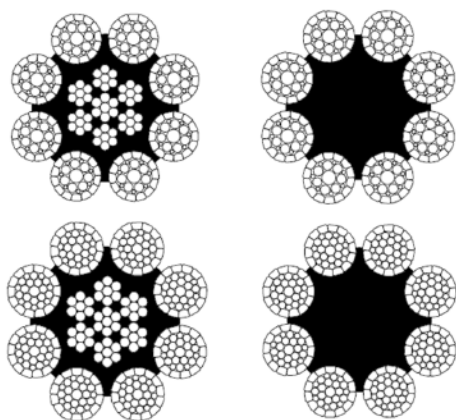
DSR wire ropes provide satisfactory quality in anti-fatigue and high breaking strength, therefore our wire ropes which guarantee over 20% longer lifetime will fit to customers' special needs.

High structural stability

Accumulated experience for Lubrication and Rope Construction.

PowerMax Rope

Nominal Dia.		Offshore Powerlift 6, Powerlift 8 (Metric Ton)					Approx Weight 6×ROPE	Approx Weight 8×ROPE	Offshore Powerflex 6, Powerflex 8 (Metric Ton)					Approx Weight 6×ROPE	Approx Weight 8×ROPE
mm	inch	EIPS	EEIPS	Z GRADE	ZZ GRADE	ZZZ GRADE	Kg/m	Kg/m	EIPS	EEIPS	Z GRADE	ZZ GRADE	ZZZ GRADE	Kg/m	Kg/m
50.8	2	180	197	226	234	244	11.3	11.4	199	218	246	259	270	12.1	12.2
52.0		189	206	236	245	258	11.8	11.9	201	220	252	271	283	12.7	12.8
54.0	2-1/8	200	221	243	255	264	12.8	12.9	224	245	269	281	284	13.7	13.8
56.0		215	238	262	274	284	13.7	13.8	241	264	290	326	306	14.7	14.9
57.2	2-1/4	224	247	278	290	302	14.3	14.4	250	275	306	323	326	15.3	15.5
58.0		230	254	285	299	311	14.7	14.8	257	283	315	333	336	15.8	15.9
60.3	2-3/8	249	274	300	315	337	15.9	16.0	281	307	340	349	363	17.1	17.2
63.5	2-1/2	274	301	337	355	369	17.7	17.8	304	336	375	394	398	18.9	19.1
66.7	2-5/8	299	330	371	390	407	19.5	19.6	333	367	413	435	439	20.9	21.1
69.9	2-3/4	333	360	411	430	448	21.4	21.5	364	401	452	475	484	22.9	23.1
71.0		343	372	424	444	463	22.1	22.2	376	414	467	491	500	23.7	23.9
73.0	2-7/8	361	392	449	470	490	23.4	23.5	392	435	497	520	529	25.0	25.3
74.0		371	403	461	483	503	24.0	24.1	403	447	510	534	543	25.7	25.9
76.2	3	389	425	488	516	538	25.4	25.5	423	472	545	574	581	27.3	27.5
77.0		397	434	498	527	549	26.0	26.1	432	482	557	586	593	27.8	28.1
79.4	3-1/8	435	458	523	550	572	27.6	27.7	458	508	579	610	618	29.6	29.8
82.6	3-1/4	470	493	560	587	611	29.8	30.0	494	548	618	652	668	32.0	32.3
83.0		475	498	566	593	618	30.2	30.3	499	554	625	659	676	32.3	32.6
85.7	3-3/8	504	528	607	639	666	32.2	32.3	527	586	674	707	719	34.5	34.8
87.0		519	544	625	658	686	33.1	33.3	543	604	694	728	741	35.5	35.8
88.9	3-1/2	537	563	659	692	723	34.6	34.8	565	627	735	770	781	37.1	37.4
90.0		550	577	675	709	741	35.5	35.6	579	643	753	789	800	38.0	38.4
95.3	3-3/4	610	640	716	752	785	39.7	39.9	642	713	795	836	848	42.6	43.0
96.0		620	650	727	764	797	40.4	40.5	652	724	808	849	861	43.3	43.6
101.6	4	687	720	796	836	874	45.2	45.4	719	799	884	928	943	48.5	48.9
103.0		706	740	818	859	898	46.5	46.7	739	821	909	954	969		50.2
108.0	4-1/4	752	788	845	887	928	51.0	51.3	796	884	978	1,027	1,027		55.2
109.0		767	803	862	904	946	52.0	52.3	812	901	997	1,047	1,047		56.3
114.3	4-1/2	835	876	939	986	1,031	57.2	57.5	874	971	1,074	1,127	1,146		61.9
120.7	4-3/4	921	967	1,036	1,088	1,138	63.7	64.0	953	1,059	1,172	1,230	1,250		68.9
122.0		942	989	1,059	1,112	1,164	65.2	65.5	974	1,083	1,198	1,258	1,278		70.5
127.0	5	1,015	1,063	1,138	1,195	1,250	70.6	70.9	1,034	1,149	1,271	1,334	1,356		76.4
128.0		1,031	1,080	1,156	1,214	1,270	71.7	72.1	1,050	1,167	1,291	1,355	1,377		77.6
133.4	5-1/4	1,085	1,138	1,219	1,278	1,337	77.8	78.2	1,140	1,232	1,363	1,431	1,454		84.2
135.0		1,112	1,166	1,249	1,310	1,370	79.6	80.2							
139.7	5-1/2	1,163	1,223	1,310	1,375	1,437		85.8							
141.0		1,185	1,246	1,334	1,401	1,464		87.4							
146.1	5-3/4	1,250	1,315	1,406	1,477	1,545		93.8							
148.0		1,284	1,350	1,444	1,517	1,587		96.3							
152.4	6	1,339	1,410	1,508	1,583	1,656		102.2							



Product name : PowerFlex 8x37
Explanation of products :

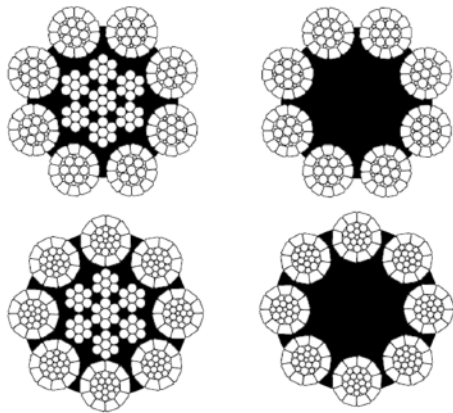
By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

• Powerflex 8x37

Properties

High Structural Stability
Very High Breaking Load
Excellent Life Time
Strong Against Abrasion
Excellent Resistance to Deformation
Extended Life of Winch Drum and Sheave
Suitable rope for Special Crane

Nominal Dia		Minimum Breaking Load (TON)						
		FC Core		Approx Weight	Steel Core			Approx Weight
		180 KG/MM ²	200 KG/MM ²		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	KG/M	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		13.8	14.4	0.81	16.0	17.6	18.7	0.88
14.3	9/16	14.4	15.0	0.84	16.7	18.3	19.6	0.92
15		15.8	16.5	0.92	18.3	20.2	21.5	1.01
16	5/8	18.0	18.7	1.05	20.8	23.0	24.5	1.15
17.5	11/16	21.6	22.4	1.26	24.9	27.5	29.3	1.38
18		22.8	23.7	1.33	26.4	29.1	31.0	1.46
19	3/4	25.4	26.4	1.48	29.4	32.4	34.5	1.62
20		28.2	29.3	1.64	32.6	35.9	38.2	1.80
22		34.1	35.4	1.99	39.4	43.4	46.3	2.18
24		40.6	42.2	2.37	46.9	51.6	55.1	2.59
25		44.0	45.8	2.57	50.9	56.0	59.8	2.81
26		47.6	49.5	2.78	55.0	60.6	64.6	3.04
28		55.2	57.4	3.22	63.8	70.3	75.0	3.53
28.6	1-1/8	57.6	59.9	3.36	66.6	73.3	78.2	3.68
30	1-3/16	63.4	65.9	3.70	73.3	80.7	86.1	4.05
32		72.1	75.0	4.21	83.4	91.8	97.9	4.61
34		81.4	84.6	4.75	94.1	103.7	110.5	5.20
35		86.3	89.7	5.03	99.8	109.8	117.1	5.51
36		91.2	94.9	5.32	105.5	116.2	123.9	5.83
38		101.7	105.7	5.93	117.6	129.5	138.1	6.50
38.1	1-1/2	102.2	106.3	5.96	118.2	130.2	138.8	6.53
40		112.7	117.1	6.57	130.3	143.5	153.0	7.20
42		124.2	-	7.25	143.6	158.2	-	7.94
44		136.3	-	7.95	157.6	173.6	-	8.71
45		142.6	-	8.32	164.9	181.6	-	9.11
46		149.0	-	8.69	172.3	189.7	-	9.62
48		162.2	-	9.46	187.6	206.6	-	10.47



Product name : PowerFlex 8x19
Explanation of products :

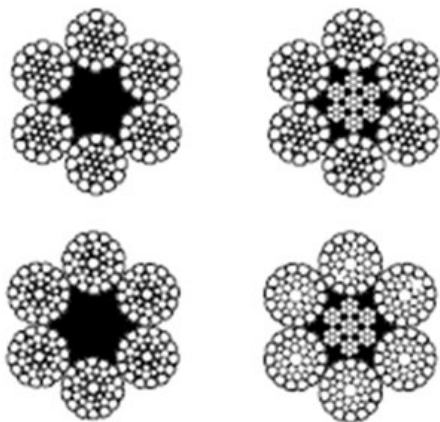
By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

• Powerflex 8x19

Nominal Dia		Minimum Breaking Load (TON)						
		FC Core		Approx Weight	Steel Core			Approx Weight
		180 KG/MM ²	200 KG/MM ²		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	KG/M	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		13.7	14.3	0.79	15.8	17.4	18.6	0.87
14.3	9/16	14.2	14.9	0.82	16.5	18.2	19.4	0.91
15		15.7	16.4	0.91	18.1	20.0	21.3	1.00
16	5/8	17.8	18.7	1.03	20.6	22.7	24.2	1.14
17.5	11/16	21.3	22.3	1.23	24.7	27.2	29.0	1.36
18		22.6	23.6	1.31	26.1	28.8	30.7	1.44
18		22.6	23.6	1.31	26.1	28.8	30.7	1.44
19	3/4	25.1	26.3	1.46	29.1	32.0	34.2	1.61
20		27.9	29.1	1.61	32.2	35.5	37.9	1.78
22		33.7	35.3	1.95	39.0	43.0	45.8	2.16
24		40.1	42.0	2.32	46.4	51.1	54.5	2.57
25		43.5	45.5	2.52	50.4	55.5	59.2	2.78
26		47.1	49.3	2.72	54.5	60.0	64.0	3.01
28		54.6	57.1	3.16	63.2	69.6	74.2	3.49
28.6	1-1/8	57.0	59.6	3.30	65.9	72.6	77.5	3.64
30	1-3/16	62.7	65.6	3.63	72.6	79.9	85.2	4.01
32		71.3	74.6	4.13	82.5	90.9	97.0	4.56
34		80.5	84.2	4.66	93.2	102.6	109.5	5.15
35		85.3	89.3	4.94	98.8	108.8	116.0	5.46
36		90.3	94.4	5.22	104.5	115.1	122.7	5.77
38		100.6	105.2	5.82	116.4	128.2	136.7	6.43
38.1	1-1/2	101.1	105.8	5.85	117.0	128.9	137.5	6.47
40		111.4	116.6	6.45	129.0	142.0	151.4	7.13
42		122.9	-	7.11	142.2	156.6	-	7.86
44		134.8	-	7.80	156.1	171.9	-	8.63
45		141.0	-	8.16	163.2	179.8	-	9.22
46		147.4	-	8.53	170.6	187.8	-	9.52
48		160.5	-	9.29	185.7	204.5	-	10.37

Properties

High Structural Stability
Very High Breaking Load
Excellent Life Time
Strong Against Abrasion
Excellent Resistance to Deformation
Extended Life of Winch Drum and Sheave
Suitable rope for Special Crane



Product name : PowerFlex 6x37
Explanation of products :

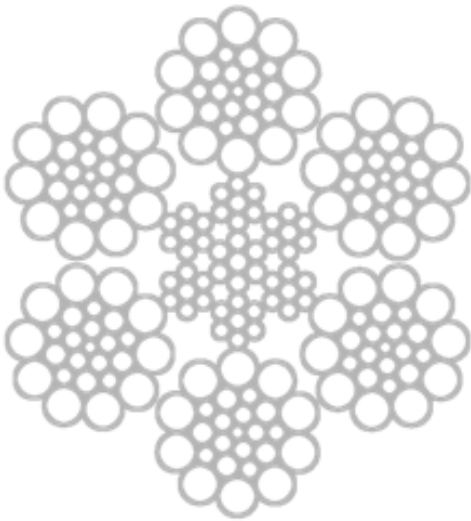
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Properties

Excellent abrasion-resistance
High breaking load
Strong against corrosion
High resistance to deformation
Longer drum and sheave life
Excellent life time

• 6x37

Nominal Dia		Minimum Breaking Load (Metric TON)						
		FC Core		Approx Weight	Steel Core			Approx Weight
		180 KG/MM²	200 KG/MM²		180 KG/MM²	200 KG/MM²	220 KG/MM²	
MM	INCH	1770 N/MM²	1960 N/MM²	KG/M	1770 N/MM²	1960 N/MM²	2160 N/MM²	KG/M
11.2	7/16	8.9	9.3	0.53	9.9	10.7	-	0.58
12		10.2	10.7	0.60	11.4	12.3	-	0.66
12.7	1/2	11.4	12.0	0.68	12.7	13.8	-	0.74
13		12.0	12.5	0.71	13.4	14.4	-	0.77
14		13.9	14.6	0.82	15.5	16.7	17.5	0.90
14.3	9/16	14.5	15.2	0.86	16.2	17.4	18.2	0.94
15		16.0	16.7	0.94	17.8	19.2	20.1	1.03
16	5/8	18.2	19.0	1.07	20.2	21.8	22.8	1.17
17.5	11/16	21.7	22.7	1.28	24.2	26.1	27.3	1.40
18		23.0	24.1	1.36	25.6	27.6	28.9	1.49
19	3/4	25.6	26.8	1.51	28.5	30.8	32.2	1.65
20		28.4	29.7	1.67	31.6	34.1	35.7	1.83
21	13/16	31.3	32.7	1.85	34.8	37.6	39.3	2.02
22		34.3	35.9	2.03	38.2	41.3	43.1	2.22
22.2	7/8	35.0	36.7	2.07	39.0	42.1	44.0	2.26
24	15/16	40.9	42.8	2.41	45.5	49.1	51.3	2.64
25		44.3	46.4	2.62	49.4	53.3	55.7	2.86
25.4	1	45.8	47.9	2.70	51.0	55.0	57.5	2.96
26	1-1/16	48.0	50.2	2.83	53.4	57.7	60.3	3.10
28		55.6	58.2	3.28	61.9	66.9	69.9	3.59
28.6	1-1/8	58.0	60.7	3.42	64.6	69.8	72.9	3.75
30	1-3/16	63.9	66.8	3.77	71.1	76.8	80.2	4.13
31.5	1-1/4	70.4	73.7	4.15	78.4	84.6	88.4	4.55
32		72.7	76.0	4.29	80.9	87.3	91.3	4.69
34		82.0	85.8	4.84	91.3	98.6	103.0	5.30
35	1-3/8	86.9	90.9	5.13	96.8	104.5	109.2	5.62
36		92.0	96.2	5.42	102.4	110.5	115.5	5.94
38		102.5	107.2	6.04	114.1	123.2	128.7	6.62
38.1	1-1/2	103.0	107.8	6.08	114.7	123.8	129.4	6.65
40		113.5	118.8	6.70	126.4	136.5	-	7.33
42		125.2	131.0	7.38	139.4	150.5	-	8.09
44		137.4	143.7	8.10	152.9	165.1	-	8.87
44.5	1-3/4	140.2	146.7	8.27	156.1	168.5	-	9.06
46		150.1	157.1	8.86	167.2	180.5	-	9.70
48		163.5	-	9.64	182.0	-	-	10.56
50		177.4	-	10.46	197.5	-	-	11.46
50.8	2	183.1	-	10.80	203.9	-	-	11.83
52		191.8	-	11.32	213.6	-	-	12.39



Product name : Prime Rope

Explanation of products :
PRIME ROPE is the optimized wire rope for Crane(piling & mobile) used in the toughest environment. The improved quality strand & lubricant help expect 20% increased product life cycle, compared to 6 x Fi(25)+IWRC product life cycle.

Properties

Fatigue Test Condition

① Purpose : Measuring S-Curve

Fatigue(Durability)

② Weight : 20%MBL

③ Speed Rate : Max. 10 Cycle/min

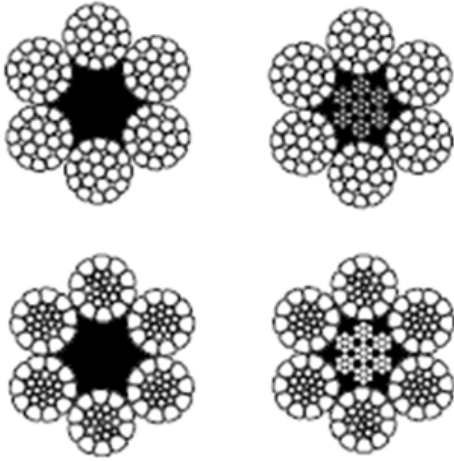
④ number of broken strand :

6/Pitch

• Prime Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)									
		6x37+FC		Approx Weight	6x37+IWRC				Approx Weight		
		165 KG/MM ²	180 KG/MM ²		165 KG/MM ²	180 KG/MM ²	200 KG/MM ²	220 KG/MM ²			
MM	INCH	1620 N/MM ²	1770 N/MM ²	KG/M	1620 N/MM ²	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M		
6	-	2.0	2.2	0.14	2.3	2.5	2.7	3.0	0.16		
6.53	1/4	2.4	2.6	0.17	2.8	2.9	3.2	3.5	0.19		
8	5/16	3.6	3.9	0.25	4.1	4.4	4.9	5.3	0.28		
9	-	4.6	4.9	0.32	5.2	5.6	6.2	6.7	0.36		
9.53	3/8	5.1	5.5	0.36	5.9	6.3	6.9	7.5	0.40		
10	-	5.7	6.0	0.39	6.5	6.9	7.6	8.2	0.44		
11.2	7/16	7.1	7.6	0.49	8.1	8.7	9.5	10.3	0.55		
12	-	8.2	8.7	0.57	9.3	10.0	11.0	11.9	0.63		
12.7	1/2	9.1	9.7	0.64	10.4	11.2	12.3	13.3	0.71		
13	-	9.6	10.2	0.67	10.9	11.7	12.9	13.9	0.74		
14	-	11.1	11.8	0.77	12.7	13.6	14.9	16.2	0.86		
14.3	9/16	11.6	12.3	0.81	13.2	14.1	15.6	16.9	0.90		
15	-	12.8	13.6	0.89	14.6	15.6	17.1	18.6	0.99		
16	5/8	14.5	15.4	1.00	16.6	17.7	19.5	21.1	1.12		
17.5	11/16	17.4	18.5	1.21	19.8	21.2	23.3	25.3	1.34		
18	-	18.4	19.5	1.28	21.0	22.4	24.7	26.7	1.42		
19	3/4	20.5	21.8	1.42	23.4	25.0	27.5	29.8	1.58		
20	-	22.7	24.1	1.58	25.9	27.7	30.4	33.0	1.76		
21	13/16	25.0	26.6	1.74	28.5	30.5	33.6	36.4	1.94		
22	-	27.4	29.2	1.91	31.3	33.5	36.8	39.9	2.12		
22.2	7/8	27.4	29.2	1.90	31.3	33.2	37.1	40.2	2.13		
24	15/16	32.6	34.7	2.27	37.3	39.8	43.8	47.5	2.53		
25	-	35.4	37.7	2.47	40.5	43.2	47.6	51.6	2.74		
25.4	1	36.6	38.9	2.54	41.8	44.6	49.1	53.2	2.83		
26	1-1/16	38.3	40.7	2.67	43.8	46.7	51.5	55.8	2.97		
28	-	44.4	47.3	3.09	50.7	54.2	59.7	64.7	3.44		
28.6	1-1/8	46.4	49.3	3.23	52.9	56.6	62.3	67.5	3.59		
30	1-3/16	51.0	54.2	3.55	58.2	62.2	68.5	74.2	3.95		
31.5	1-4/4	57.3	61.0	3.99	65.4	69.9	77.0	83.4	4.44		
32	-	58.0	61.7	4.04	66.3	70.8	77.9	84.5	4.49		
34	-	65.5	69.7	4.56	74.8	79.9	88.0	95.4	5.07		
35	1-3/8	69.4	73.8	4.83	79.3	84.7	93.2	101.1	5.38		
36	-	73.4	78.1	5.11	83.9	89.6	98.6	106.9	5.69		
38	-	81.8	87.0	5.70	93.5	99.8	109.9	119.1	6.34		
38.1	1-1/2	82.3	87.5	5.73	94.0	100.4	110.5	119.8	6.37		
40	-	90.7	96.4	6.31	103.6	110.6	121.8	132.0	7.02		
42	-	100.0	106.3	6.96	114.2	122.0	134.3	-	7.74		
44	-	109.7	116.7	7.64	125.3	133.9	147.4	-	8.50		
44.5	1-3/4	112.0	119.1	7.79	127.9	136.6	150.4	-	8.67		
46	-	119.9	127.5	8.35	137.0	146.3	161.1	-	9.29		
48	-	130.6	138.9	9.09	149.1	159.3	175.4	-	10.11		
50	-	141.7	150.7	9.86	161.8	172.9	190.3	-	10.97		
50.8	2	146.2	155.6	10.18	167.0	178.4	196.4	-	11.33		
52	-	153.2	163.0	10.67	175.0	187.0	205.8	-	11.87		
54	-	165.2	175.8	11.50	188.7	201.6	221.9	-	12.80		
56	-	177.7	189.0	12.37	203.0	216.8	238.7	-	13.76		
57.2	2-1/4	185.4	197.2	12.91	211.8	226.2	249.0	-	14.36		
58	-	190.6	202.8	13.27	217.7	232.6	256.0	-	14.76		
60	-	204.0	217.0	14.20	233.0	248.9	274.0	-	15.80		
63.5	2-1/2	228.5	-	15.90	248.8	265.8	292.6	-	16.87		
66	-	246.8	-	17.18	281.9	301.2	331.5	-	19.12		
68	-	262.0	-	18.24	299.3	319.7	351.9	-	20.29		
70	2-3/4	277.7	-	19.33	317.1	338.8	-	-	21.51		
72	-	293.8	-	20.45	335.5	358.4	-	-	22.75		
74	-	310.3	-	21.60	354.4	378.6	-	-	24.03		
76.2	3	329.0	-	22.90	345.8	401.5	-	-	25.48		

• 6x19



Product name : PowerFlex 6X19

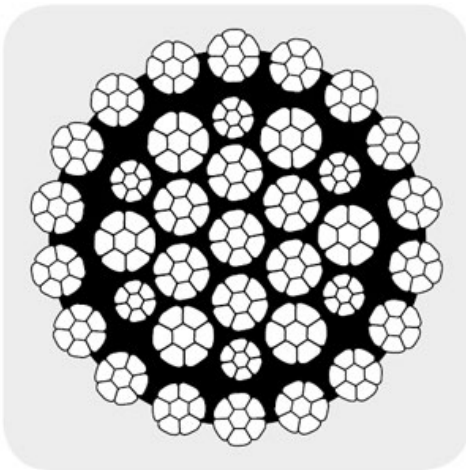
Explanation of products :

By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

Properties

Excellent abrasion-resistance
High breaking load
Strong against corrosion
High resistance to deformation
Longer drum and sheave life
Excellent life time

Nominal Dia		Minimum Breaking Load (MetricTON)						
		FC Core		Approx Weight	Steel Core			Approx Weight
		180 KG/MM ²	200 KG/MM ²		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	KG/M	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
11.2	7/16	8.7	9.1	0.51	9.8	10.6	-	0.57
12		10.0	10.5	0.59	11.3	12.1	-	0.65
12.7	1/2	11.2	11.7	0.66	12.6	13.6	-	0.73
13		11.7	12.3	0.69	13.2	14.3	-	0.76
14		13.6	14.2	0.80	15.3	16.5	17.3	0.89
14.3	9/16	14.2	14.9	0.83	16.0	17.2	18.0	0.92
15		15.6	16.4	0.92	17.6	19.0	19.8	1.02
16	5/8	17.8	18.6	1.04	20.0	21.6	22.6	1.16
17.5	11/16	21.2	22.3	1.25	23.9	25.8	27.0	1.38
18		22.5	23.6	1.32	25.3	27.3	28.6	1.46
19	3/4	25.0	26.2	1.47	28.2	30.4	31.8	1.63
20		27.7	29.1	1.63	31.3	33.7	35.3	1.81
21	13/16	30.6	32.1	1.80	34.5	37.2	38.9	1.99
22		33.6	35.2	1.98	37.8	40.8	42.7	2.19
22.2	7/8	34.3	35.9	2.02	38.6	41.7	43.5	2.23
24	15/16	39.9	41.9	2.35	45.0	48.6	50.8	2.60
25		43.3	45.4	2.55	48.8	52.7	55.1	2.83
25.4	1	44.7	46.9	2.63	50.4	54.4	56.9	2.92
26	1-1/16	46.9	49.1	2.76	52.8	57.0	59.6	3.06
28		54.4	57.0	3.20	61.3	66.1	69.1	3.54
28.6	1-1/8	56.7	59.5	3.34	63.9	69.0	72.1	3.70
30	1-3/16	62.4	65.4	3.67	70.3	75.9	79.3	4.07
31.5	1-1/4	68.8	72.1	4.05	77.5	83.7	87.5	4.49
32		71.0	74.4	4.18	80.0	86.4	90.3	4.63
34		80.2	84.0	4.72	90.3	97.5	101.9	5.23
35	1-3/8	85.0	89.0	5.00	95.7	103.3	108.0	5.54
36		89.9	94.2	5.29	101.3	109.3	114.2	5.86
38		100.1	105.0	5.89	112.8	121.8	127.3	6.53
38.1	1-1/2	100.7	105.5	5.92	113.4	122.4	127.9	6.56
40		111.0	116.3	6.53	125.0	134.9	-	7.23
42		122.3	128.2	7.20	137.8	148.8	-	7.97
44		134.3	140.7	7.90	151.3	163.3	-	8.75
44.5	1-3/4	137.0	143.6	8.06	154.4	166.0	-	8.93
46		146.8	153.8	8.64	165.3	178.5	-	9.56
48		159.8	-	9.40	180.0	-	-	10.41
50		173.4	-	10.20	195.3	-	-	11.30
50.8	2	179.0	-	10.53	201.3	-	-	11.66
52		187.5	-	11.04	211.3	-	-	12.22



Product name : PowerFlex 37(L)

Explanation of products :

By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

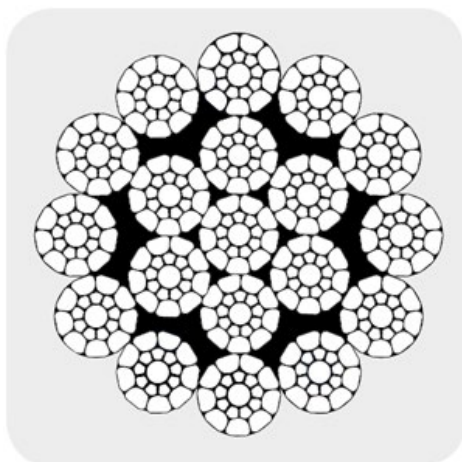
• PowerFlex 37, 37L

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		16.5	18.2	19.5	1.00
14.3	9/16	17.2	19.0	20.4	1.05
15		19.0	20.9	22.4	1.15
16	5/8	21.6	23.8	25.5	1.31
17.5	11/16	25.8	28.5	30.5	1.57
18		27.3	30.2	32.3	1.66
19	3/4	30.4	33.6	36.0	1.85
20		33.7	37.2	39.9	2.05
21	13/16	37.2	41.0	44.0	2.26
22		40.8	45.0	48.3	2.48
22.2	7/8	41.6	46.0	49.2	2.53
24	15/16	48.5	53.6	57.4	2.95
25		52.7	58.2	62.3	3.20
25.4	1	54.4	60.0	64.3	3.30
26	1-1/16	57.0	62.9	67.4	3.46
28		66.1	73.0	78.2	4.02
28.6	1-1/8	68.9	76.1	* 81.5	4.19
30	1-3/16	75.9	83.8	* 89.7	4.61
31.8	1-1/4	85.2	94.1	* 100.8	5.18
32		86.3	95.3	* 102.1	5.25
34		97.4	107.6	* 115.2	5.92
35	1-3/8	103.3	114.0	* 122.1	6.28
36		109.2	120.6	* 129.2	6.64

* Available upon request (Operation in poor condition is not recommendable)

Properties

Very strong rotation - resistance
High structural stability
Very high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of winch drum and sheave
Suitable rope for high lifting Tower crane
Excellent Life Time



Product name : PowerFlex M19

Explanation of products :

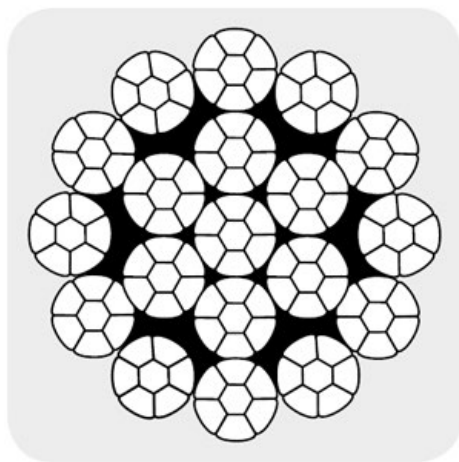
By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

Properties

- Rotation - resistance
- High structural stability
- High breaking load
- Strong against abrasion
- Good resistance to deformation
- Extended life of winch drum and sheave
- Excellent life time

• PowerFlex M19

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
19	3/4	28.4	31.0	34.6	1.74
20		31.4	34.3	38.3	1.94
21	13/16	34.6	37.9	42.3	2.13
22		38.0	41.6	46.4	2.34
22.2	7/8	38.8	42.4	47.3	2.38
24	15/16	45.3	49.5	55.2	2.78
25		49.1	53.7	59.9	3.02
25.4	1	50.7	55.4	61.8	3.12
26	1-1/16	53.1	58.0	64.8	3.27
28		61.6	67.3	-	3.79
28.6	1-1/8	64.3	70.2	-	3.95
30	1-3/16	70.7	77.3	-	4.35
31.8	1-1/4	79.4	86.8	-	4.89
32		80.4	87.9	-	4.95



Product name : PowerFlex 19
Explanation of products :

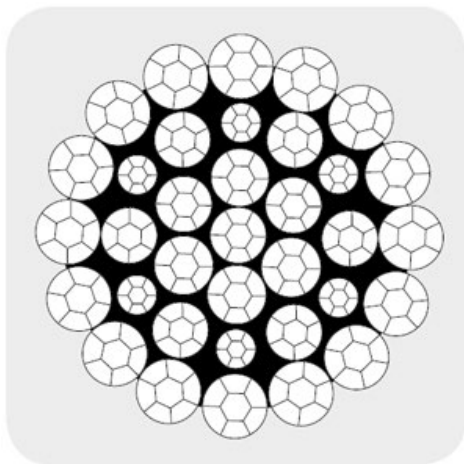
By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

• PowerFlex 19

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
9.53	3/8	7.3	7.9	8.8	0.44
10		8.0	8.7	9.7	0.48
11.2	7/16	10.1	10.9	12.1	0.60
12		11.6	12.6	13.9	0.69
12.7	1/2	13.0	14.1	15.6	0.78
13		13.6	14.7	16.4	0.81
14		15.8	17.1	19.0	0.94
14.3	9/16	16.5	17.8	19.8	0.98
15		18.1	19.6	21.8	1.08
16	5/8	20.6	22.3	24.8	1.23
17.5	11/16	24.6	26.7	29.6	1.47
18		26.1	28.3	31.4	1.56
19	3/4	29.1	31.5	34.9	1.74
20		32.2	34.9	38.7	1.93
21	13/16	35.5	38.5	42.7	2.12
22		38.9	42.2	46.8	2.33
22.2	7/8	39.7	43.1	47.8	2.38
24	15/16	46.4	50.2	55.8	2.77
25		50.3	54.5	60.5	3.01
25.4	1	51.9	56.3	62.4	3.11
26	1-1/16	54.4	58.9	65.4	3.25
28		63.1	68.4	-	3.77
28.6	1-1/8	65.8	71.3	-	3.94
30	1-3/16	72.4	78.5	-	4.33
31.8	1-1/4	81.4	88.2	-	4.87
32		82.4	89.3	-	4.93

Properties

Rotation - resistance
Good resistance to deformation
High structural stability
Strong against abrasion
Extended life of winch drum and sheave
High breaking load
Excellent life time



Product name : PowerFlex 35,35L
Explanation of products :

By flattening the surface of outer wires of each strand, this plane Contacting Lay construction has flat / touch area of outer wires comparing round strand type rope. This flat touch area enables longer life of each wire before breaking. While designing this construction, we emphasized the optimal balance between high tensile strength, fatigue resistance, abrasion resistance, and structural stability. Powerflex rope is widely used in various applications such as crane, fishing and mining.

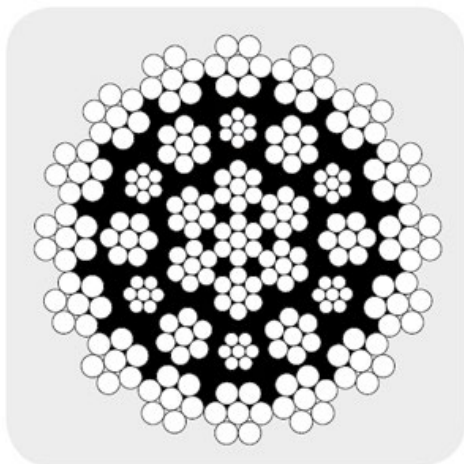
• **PowerFlex 35,35L**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.3	19.6	1.00
14.3	9/16	19.1	20.4	1.05
15		21.0	22.5	1.15
16	5/8	23.9	25.6	1.31
17.5	11/16	28.6	30.6	1.57
18		30.3	32.4	1.66
19	3/4	33.7	36.1	1.85
20		37.3	40.0	2.05
21	13/16	41.2	44.1	2.26
22		45.2	48.4	2.48
22.2	7/8	46.1	49.4	2.53
24	15/16	53.8	57.6	2.95
25		58.4	62.5	3.19
25.4	1	60.2	64.5	3.29
26	1-1/16	63.1	67.6	3.45
28		73.2	78.4	4.00
28.6	1-1/8	76.4	* 81.8	4.17
30	1-3/16	84.0	* 90.0	4.59
31.8	1-1/4	94.4	* 101.1	5.16
32		95.6	* 102.4	5.22
34		107.9	* 115.6	5.90
35	1-3/8	114.4	* 122.5	6.25
36		121.0	* 129.6	6.61

* Available upon request (Operation in poor condition is not recommendable)

Properties

Very strong rotation - resistance
High structural stability
Very high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of winch drum and sheave
Suitable rope for high lifting Tower crane
Excellent life time



Product name : PowerLift 35(L)

Explanation of products :

PowerLift Rope is a round-type rope which is used for Crane. PowerLift shows DSR's unique Know-How and advanced technology.

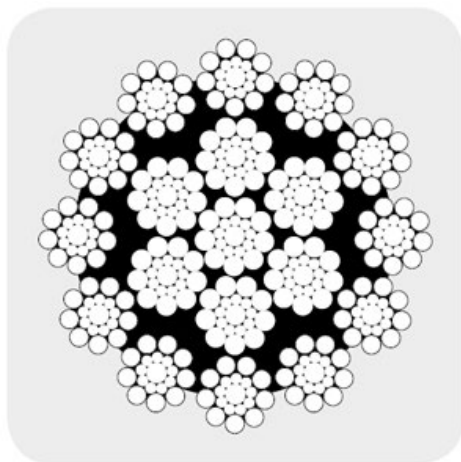
Properties

Very strong rotation - resistance
High structural stability
High breaking load
Excellent resistance to deformation
Suitable rope for high lifting Tower crane
Excellent life time

• PowerLift 35,35L

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		13.7	16.3	17.9	0.87
14.3	9/16	14.3	17.0	18.5	0.91
15		15.7	18.7	20.3	1.00
16	5/8	17.9	21.3	23.0	1.14
17.5	11/16	21.4	25.5	27.6	1.36
18		22.6	26.9	29.5	1.44
19	3/4	25.2	30.0	32.6	1.60
20		28.0	33.3	36.1	1.78
21	13/16	30.8	36.7	39.8	1.96
22		33.8	40.3	43.7	2.15
22.2	7/8	34.5	41.1	44.6	2.19
24	15/16	40.3	47.9	51.9	2.56
25		43.7	52.0	56.3	2.77
25.4	1	45.1	53.7	58.2	2.86
26	1-1/16	47.3	56.2	61.0	3.00
28		54.8	65.2	70.4	3.48
28.6	1-1/8	57.2	68.0	* 73.5	3.63
30	1-3/16	62.9	74.8	* 80.8	3.99
31.8	1-1/4	70.7	84.1	* 90.8	4.49
32		71.6	85.2	* 92.0	4.55
34		80.8	96.1	* 103.8	5.13
35	1-3/8	85.6	101.9	* 110.0	5.44
36		90.6	107.8	* 116.4	5.75

* Available upon request (Operation in poor condition is not recommendable)



Product name : PowerLift M19

Explanation of products :

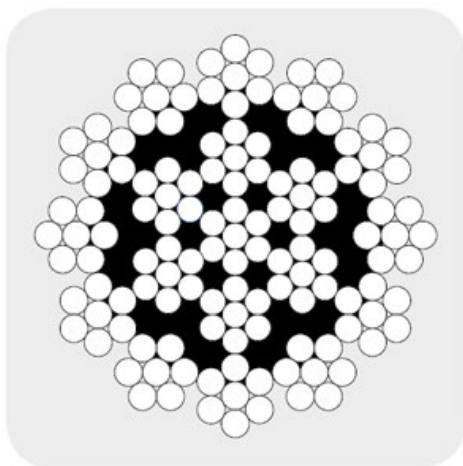
PowerLift Rope is a round-type rope which is used for Crane. PowerLift shows DSR's unique Know-How and advanced technology.

Properties

Rotation - resistance
High structural stability
High breaking load
Excellent life time

• PowerLift M19

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		12.6	13.7	15.0	0.83
14.3	9/16	13.1	14.3	15.7	0.87
15		14.5	15.7	17.2	0.96
16	5/8	16.5	17.9	19.6	1.09
17.5	11/16	19.7	21.4	23.5	1.30
18		20.8	22.6	24.8	1.38
19	3/4	23.2	25.2	27.7	1.54
20		25.7	27.9	30.6	1.70
21	13/16	28.4	30.8	33.8	1.88
22		31.1	33.8	37.1	2.06
22.2	7/8	31.8	34.5	37.8	2.10
24	15/16	37.0	40.2	44.1	2.45
25		40.2	43.6	47.9	2.66
25.4	1	41.5	45.0	49.4	2.74
26	1-1/16	43.5	47.2	51.8	2.88
28		50.4	54.7	-	3.34
28.6	1-1/8	52.6	57.1	-	3.48
30	1-3/16	57.9	62.8	-	3.83
31.8	1-1/4	65.0	70.6	-	4.30
32		65.8	71.5	-	4.36



Properties

Very strong rotation - resistance
High structural stability
High breaking load
Excellent resistance to deformation
Suitable rope for high lifting Tower crane
Excellent life time

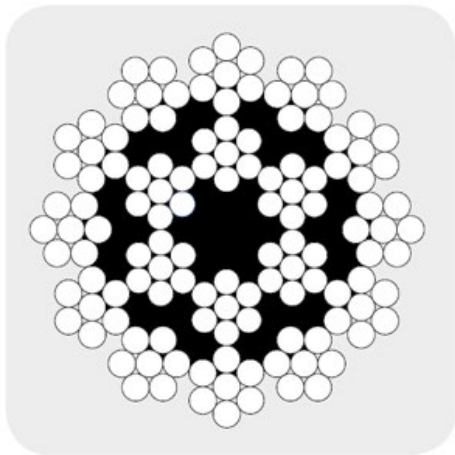
Product name : PowerLift 19

Explanation of products :

PowerLift Rope is a round-type rope which is used for Crane. PowerLift shows DSR's unique Know-How and advanced technology.

• PowerLift 19

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
6		2.4	2.6	2.8	0.15
6.53	1/4	2.8	3.0	3.3	0.18
8	5/16	4.2	4.5	5.0	0.27
9		5.3	5.7	6.3	0.34
9.53	3/8	6.0	6.4	7.1	0.38
10		6.6	7.1	7.8	0.42
11.2	7/16	8.2	8.9	9.8	0.52
12		9.4	10.2	11.2	0.60
12.7	1/2	10.6	11.4	12.5	0.67
13		11.1	12.0	13.1	0.70
14		12.8	13.9	15.2	0.82
14.3	9/16	13.4	14.5	15.9	0.85
15		14.8	15.9	17.5	0.94
16	5/8	16.8	18.1	19.9	1.07
17.5	11/16	20.1	21.7	23.8	1.28
18		21.2	23.0	25.2	1.35
19	3/4	23.7	25.6	28.1	1.50
20		26.2	28.3	31.1	1.67
21	13/16	28.9	31.2	34.3	1.84
22		31.7	34.3	37.6	2.02
22.2	7/8	32.4	35.0	38.4	2.06
24	15/16	37.8	40.8	44.8	2.40
25		41.0	44.3	48.6	2.60
25.4	1	42.3	45.7	50.2	2.69
26	1-1/16	44.3	47.9	52.6	2.82
28		51.4	55.5	-	3.27
28.6	1-1/8	53.6	57.9	-	3.41
30	1-3/16	59.0	63.8	-	3.75
31.8	1-1/4	66.3	71.6	-	4.21
32		67.1	72.5	-	4.27



Properties

Rotation - resistance
High structural stability
High breaking load
Excellent life time

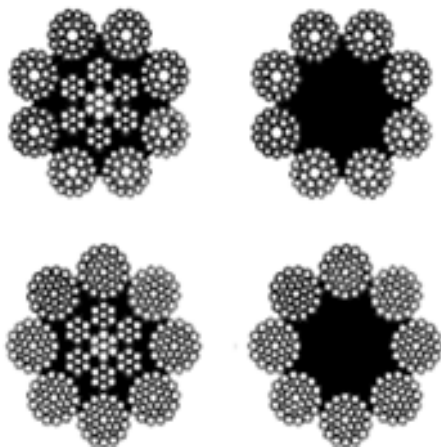
Product name : PowerLift 18

Explanation of products :

PowerLift Rope is a round-type rope which is used for Crane. PowerLift shows DSR's unique Know-How and advanced technology.

• PowerLift 18

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
6		2.2	2.4	2.6	0.15
6.53	1/4	2.6	2.8	3.1	0.17
8	5/16	3.9	4.2	4.6	0.26
9		4.9	5.3	5.9	0.33
9.53	3/8	5.5	6.0	6.6	0.37
10		6.1	6.6	7.2	0.41
11.2	7/16	7.6	8.3	9.1	0.51
12		8.8	9.5	10.4	0.58
12.7	1/2	9.8	10.6	11.7	0.66
13		10.3	11.1	12.2	0.69
14		11.9	12.9	14.2	0.80
14.3	9/16	12.4	13.5	14.8	0.83
15		13.7	14.8	16.3	0.91
16	5/8	15.6	16.9	18.5	1.04
17.5	11/16	18.6	20.2	22.1	1.24
18		19.7	21.4	23.4	1.32
19	3/4	22.0	23.8	26.1	1.47
20		24.3	26.4	28.9	1.62
21	13/16	26.8	29.1	31.9	1.79
22		29.4	31.9	35.0	1.97
22.2	7/8	30.0	32.6	35.7	2.01
24	15/16	35.0	38.0	41.7	2.34
25		38.0	41.2	45.2	2.54
25.4	1	39.2	42.5	46.7	2.62
26	1-1/16	41.1	44.6	48.9	2.75
28		47.7	51.7	-	3.18
28.6	1-1/8	49.7	53.9	-	3.32
30	1-3/16	54.7	59.3	-	3.66
31.8	1-1/4	61.5	66.7	-	4.11
32		62.3	67.5	-	4.16



Product name : PowerLift 8x37

Explanation of products :

PowerLift Rope is a round-type rope which is used for Crane. PowerLift shows DSR's unique Know-How and advanced technology.

- 8x37+FC, 8x37+IWRC

Properties

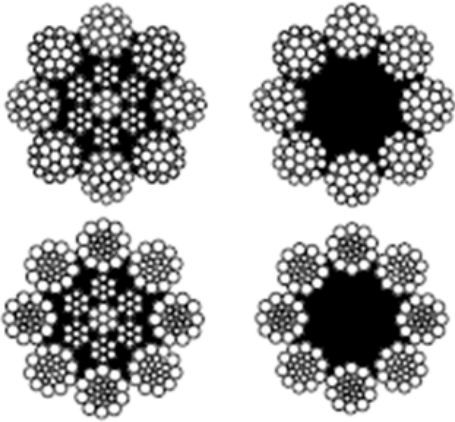
Rotation - resistance
High structural stability
High breaking load
Excellent life time

Nominal Dia		Minimum Breaking Load (TON)						
		FC Core		Approx weight	Steel Core			Approx weight
		180 KG/MM ²	200 KG/MM ²		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	KG/M	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		11.8	12.9	0.73	13.6	15.2	16.4	0.86
14.3	9/16	12.3	13.5	0.76	14.2	15.8	17.1	0.90
15		13.5	14.8	0.83	15.6	17.4	18.8	0.99
16	5/8	15.4	16.8	0.95	17.8	19.8	21.4	1.13
17.5	11/16	18.4	20.2	1.13	21.2	23.7	25.6	1.35
18		19.5	21.3	1.20	22.5	25.0	27.1	1.43
19	3/4	21.7	23.8	1.34	25.0	27.9	30.2	1.59
20		24.1	26.3	1.48	27.7	30.9	33.4	1.76
22		29.1	31.9	1.79	33.6	37.4	40.4	2.13
24		34.7	37.9	2.13	39.9	44.5	48.1	2.54
25		37.6	41.1	2.31	43.3	48.3	52.2	2.75
26	1-1/16	40.7	44.5	2.50	46.9	52.3	56.5	2.98
28		47.2	51.6	2.90	54.4	60.6	65.5	3.45
28.6	1-1/8	49.2	53.8	3.03	56.7	63.2	68.4	3.60
30	1-3/16	54.2	59.2	3.33	62.4	69.6	75.2	3.96
32		61.6	67.4	3.79	71.0	79.2	85.6	4.51
34		69.6	76.1	4.28	80.2	89.4	96.6	5.09
35		73.8	80.6	4.53	84.9	94.7	102.4	5.39
36		78.0	85.3	4.79	89.9	100.2	108.3	5.71
38		86.9	95.0	5.34	100.1	111.6	120.7	6.36
38.1	1-1/2	87.4	95.5	5.37	100.6	112.2	121.3	6.39
40		96.3	105.3	5.92	110.9	123.7	133.7	7.04
42		106.2	116.1	6.53	122.3	136.4	-	7.77
44		116.6	127.4	7.16	134.2	149.6	-	8.52
45		121.9	133.3	7.49	140.4	156.5	-	8.92
46		127.4	139.3	7.83	146.7	163.6	-	9.32
48		138.7	151.6	8.52	159.8	178.1	-	10.14

Product name : PowerLift 8x19

Explanation of products :

PowerLift Rope is a round-type rope which is used for Crane. PowerLift shows DSR's unique Know-How and advanced technology.



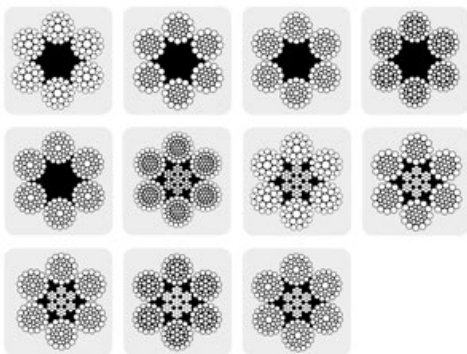
Properties

Rotation - resistance
High structural stability
High breaking load
Excellent life time

• PowerLift 8 [8x19 Class Rope]

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		13.3	15.8	16.9	0.85
14.3	9/16	13.9	16.5	17.6	0.89
15		15.3	18.1	19.4	0.98
16	5/8	17.4	20.6	22.1	1.11
17.5	11/16	20.8	24.7	26.4	1.33
18		22.0	26.1	27.9	1.41
19	3/4	24.5	29.1	31.1	1.57
20		27.1	32.2	34.5	1.74
22		32.8	39.0	41.7	2.11
24	15/16	39.1	46.4	49.7	2.51
25		42.4	50.4	53.9	2.72
26	1-1/16	45.9	54.5	58.3	2.94
28		53.2	63.2	67.6	3.41
28.6	1-1/8	55.5	65.9	70.5	3.56
30	1-3/16	61.1	72.6	77.6	3.92
32		69.5	82.5	88.3	4.46
34		78.4	93.2	99.7	5.03
35	1-3/8	83.1	98.8	105.6	5.33
36		87.9	104.5	111.7	5.64
38		98.0	116.4	124.5	6.28
38.1	1-1/2	98.5	117.0	125.2	6.32
40		108.6	129.0	138.0	6.96
42		119.7	142.2	-	7.68
44		131.4	156.1	-	8.43
45		137.4	163.2	-	9.21
46		* 143.6	* 170.6	138.0	9.21
48		* 156.3	* 185.7	138.0	10.03

* Available upon request (Operation in poor condition is not recommendable)



Product name : PowerLift 6
[6x37 Class Rope]

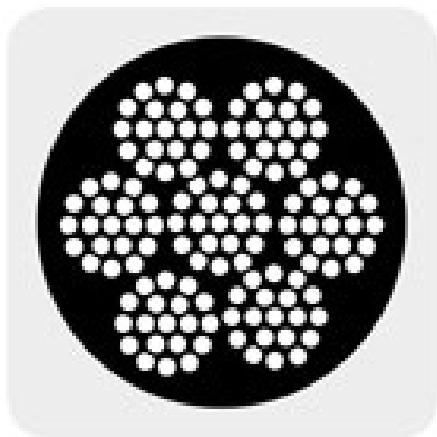
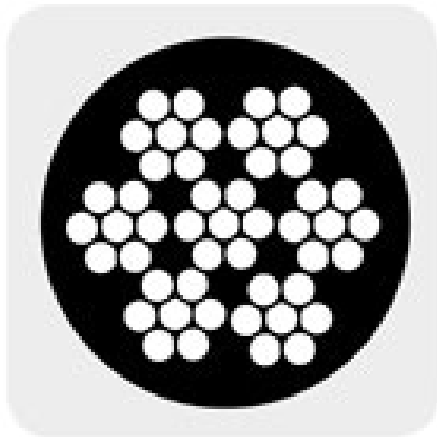
Explanation of products :
PowerLift Rope is a round-type
rope which is used for Crane.
PowerLift shows DSR's unique
Know-How and advanced
technology.

Properties

Rotation - resistance
High structural stability
High breaking load
Excellent life time

PowerLift 6 [6x37 Class Rope]

Nominal Dia.		Minimum Breaking Load (Metric Ton)							
		6x37+FC		Approx Weight	6x37+IWRC				Approx Weight
		165 KG/MM ²	180 KG/MM ²		165 KG/MM ²	180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1620 N/MM ²	1770 N/MM ²	KG/M	1620 N/MM ²	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
6	-	2.0	2.2	0.14	2.3	2.5	2.7	3.0	0.16
6.53	1/4	2.4	2.6	0.17	2.8	2.9	3.2	3.5	0.19
8	5/16	3.6	3.9	0.25	4.1	4.4	4.9	5.3	0.28
9	-	4.6	4.9	0.32	5.2	5.6	6.2	6.7	0.36
9.53	3/8	5.1	5.5	0.36	5.9	6.3	6.9	7.5	0.40
10	-	5.7	6.0	0.39	6.5	6.9	7.6	8.2	0.44
11.2	7/16	7.1	7.6	0.49	8.1	8.7	9.5	10.3	0.55
12	-	8.2	8.7	0.57	9.3	10.0	11.0	11.9	0.63
12.7	1/2	9.1	9.7	0.64	10.4	11.2	12.3	13.3	0.71
13	-	9.6	10.2	0.67	10.9	11.7	12.9	13.9	0.74
14	-	11.1	11.8	0.77	12.7	13.6	14.9	16.2	0.86
14.3	9/16	11.6	12.3	0.81	13.2	14.1	15.6	16.9	0.90
15	-	12.8	13.6	0.89	14.6	15.6	17.1	18.6	0.99
16	5/8	14.5	15.4	1.00	16.6	17.7	19.5	21.1	1.12
17.5	11/16	17.4	18.5	1.21	19.8	21.2	23.3	25.3	1.34
18	-	18.4	19.5	1.28	21.0	22.4	24.7	26.7	1.42
19	3/4	20.5	21.8	1.42	23.4	25.0	27.5	29.8	1.58
20	-	22.7	24.1	1.58	25.9	27.7	30.4	33.0	1.76
21	13/16	25.0	26.6	1.74	28.5	30.5	33.6	36.4	1.94
22	-	27.4	29.2	1.91	31.3	33.5	36.8	39.9	2.12
22.2	7/8	27.4	29.2	1.90	31.3	33.2	37.1	40.2	2.13
24	15/16	32.6	34.7	2.27	37.3	39.8	43.8	47.5	2.53
25	-	35.4	37.7	2.47	40.5	43.2	47.6	51.6	2.74
25.4	1	36.6	38.9	2.54	41.8	44.6	49.1	53.2	2.83
26	1-1/16	38.3	40.7	2.67	43.8	46.7	51.5	55.8	2.97
28	-	44.4	47.3	3.09	50.7	54.2	59.7	64.7	3.44
28.6	1-1/8	46.4	49.3	3.23	52.9	56.6	62.3	67.5	3.59
30	1-3/16	51.0	54.2	3.55	58.2	62.2	68.5	74.2	3.95
31.5	1-4/4	57.3	61.0	3.99	65.4	69.9	77.0	83.4	4.44
32	-	58.0	61.7	4.04	66.3	70.8	77.9	84.5	4.49
34	-	65.5	69.7	4.56	74.8	79.9	88.0	95.4	5.07
35	1-3/8	69.4	73.8	4.83	79.3	84.7	93.2	101.1	5.38
36	-	73.4	78.1	5.11	83.9	89.6	98.6	106.9	5.69
38	-	81.8	87.0	5.70	93.5	99.8	109.9	119.1	6.34
38.1	1-1/2	82.3	87.5	5.73	94.0	100.4	110.5	119.8	6.37
40	-	90.7	96.4	6.31	103.6	110.6	121.8	132.0	7.02
42	-	100.0	106.3	6.96	114.2	122.0	134.3	-	7.74
44	-	109.7	116.7	7.64	125.3	133.9	147.4	-	8.50
44.5	1-3/4	112.0	119.1	7.79	127.9	136.6	150.4	-	8.67
46	-	119.9	127.5	8.35	137.0	146.3	161.1	-	9.29
48	-	130.6	138.9	9.09	149.1	159.3	175.4	-	10.11
50	-	141.7	150.7	9.86	161.8	172.9	190.3	-	10.97
50.8	2	146.2	155.6	10.18	167.0	178.4	196.4	-	11.33
52	-	153.2	163.0	10.67	175.0	187.0	205.8	-	11.87
54	-	165.2	175.8	11.50	188.7	201.6	221.9	-	12.80
56	-	177.7	189.0	12.37	203.0	216.8	238.7	-	13.76
57.2	2-1/4	185.4	197.2	12.91	211.8	226.2	249.0	-	14.36
58	-	190.6	202.8	13.27	217.7	232.6	256.0	-	14.76
60	-	204.0	217.0	14.20	233.0	248.9	274.0	-	15.80
63.5	2-1/2	228.5	-	15.90	248.8	265.8	292.6	-	16.87
66	-	246.8	-	17.18	281.9	301.2	331.5	-	19.12
68	-	262.0	-	18.24	299.3	319.7	351.9	-	20.29
70	2-3/4	277.7	-	19.33	317.1	338.8	-	-	21.51
72	-	293.8	-	20.45	335.5	358.4	-	-	22.75
74	-	310.3	-	21.60	354.4	378.6	-	-	24.03
76.2	3	329.0	-	22.90	345.8	401.5	-	-	25.48



Product name : P.V.C Coated Cable

Explanation of products :
P.V.C Coated Cable is used for consumption goods and decoration. DSR's technology for stable coating lead to better quality of product.

Properties

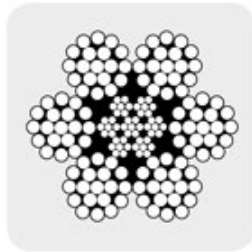
General Rope : [7x7],[7x19]
Provide corrosion resistance.
Various colored-P.V.C can be applied according to customer's need's.

• 7x7

7x7				
Nominal Dia.		Approx Weight		
MM		KG/M		
Cable	P.V.C	Cable	P.V.C	Total
1/16	3/32	1.12	0.33	1.45
1/16	1/8	1.12	0.82	1.94
1/16	3/16	1.12	1.79	2.91
3/32	1/8	2.38	0.45	2.83
3/32	5/32	2.38	1.12	3.50
3/32	3/16	2.38	1.79	4.17
1/8	3/16	4.17	1.37	5.54
1/8	1/4	4.17	3.35	7.52
3/16	5/16	9.23	4.32	13.5

• 7x19

7x19				
Nominal Dia.		Approx Weight		
MM		KG/M		
Cable	P.V.C	Cable	P.V.C	Total
1/8	3/16	4.32	1.28	5.60
1/8	7/32	4.32	2.14	6.46
1/8	1/4	4.32	2.90	7.22
5/32	7/32	6.70	1.53	8.23
3/16	1/4	9.67	2.23	11.9
3/16	5/16	9.67	4.32	14.0
1/4	5/16	16.4	2.38	18.8
1/4	3/8	16.4	6.40	22.8
5/16	13/32	25.7	4.46	30.2
5/16	7/16	25.7	6.55	32.3
3/8	7/16	36.2	3.13	39.3
3/8	15/32	36.2	5.21	41.4



Product name : Stainless General Rope

Explanation of products :

Stainless steel wire rope is specially manufactured with client's requirements and it has two types of construction which are Cross Laid Wire Rope and Parallel Laid Wire Rope. Also, we have been improving abrasion-resistance and fatigue-resistance by accurately design of wire and processing. Therefore, stainless steel wire rope has high strength as well as good flexibility.

Properties

Because of high resistance to corrosion against seawater, stainless steel wire rope is widely used for sea-based structures.

Depending on the grade, stainless steel wire rope has good structure stability in multiple environments (such as harmful atmospheric gas or heat) and it is widely used for marine rope which needs strong corrosion-resistance.

· 6x19 + FC

Nominal Dia	6x19 + FC		Approx Weight
	Nominal B.S (KN)		
MM	AISI304	AISI316	KG/100M
6.00	17.54	15.78	13.1
7.00	23.91	21.46	17.8
8.00	30.87	27.73	23.3
9.00	39.00	35.08	29.5
10.00	48.22	43.32	36.4
12.00	69.38	62.43	52.4
13.00	81.44	73.30	61.5
14.00	94.47	84.97	71.3
15.00	108.78	97.90	81.9
16.00	123.48	111.13	93.2
18.00	155.82	140.24	118
19.00	174.47	157.00	131
20.00	193.06	173.75	146
22.00	233.24	209.92	181
24.00	277.34	249.61	210
25.00	301.84	271.66	228
26.00	325.36	292.82	246
28.00	377.30	339.57	285
30.00	434.14	390.73	328
32.00	493.92	444.53	373

· 6x19 + IWRC

Nominal Dia	6×19 + IWRC		
	Nominal B.S (KN)		Approx Weight
MM	AISI304	AISI316	KG/100M
6.00	20.48	18.42	14.8
7.00	27.83	24.99	20.1
8.00	33.32	29.99	26.2
9.00	42.14	37.93	33.2
10.00	52.04	46.84	41.0
12.00	74.97	67.52	59.0
13.00	87.91	79.18	69.3
14.00	101.92	91.73	80.4
15.00	117.60	105.84	92.3
16.00	133.28	119.56	105
18.00	168.56	150.92	133
19.00	190.12	170.52	148
20.00	207.76	186.20	164
22.00	251.86	226.38	204
24.00	299.88	269.50	236
25.00	327.32	294.00	256
26.00	351.82	316.54	277
28.00	407.68	366.52	321
30.00	468.44	421.40	369
32.00	533.12	479.22	420

· 6xS(19)+IWRC, 6xW(19)+IWRC, 6xS(25)+IWRC, 6xWS(26)+IWRC,

6xS(19) + IWRC, 6xW(19) + IWRC 6xFI(25) + IWRC, 6xWS(26) + IWRC 6xWS(36) + IWRC, 6xWS(31) + IWRC			
Nominal Dia	Nominal B.S(KN)		Approx Weight
MM	AISI304	AISI316	KG/100M
8.00	40.28	35.77	26.9
9.00	50.96	45.28	34.0
10.00	63.01	55.86	42.0
12.00	90.75	80.46	60.5
13.00	106.43	94.47	71.0
14.00	123.48	109.47	82.3
15.00	141.81	125.73	94.5
16.00	161.31	143.08	108
18.00	204.13	181.10	136
19.00	227.46	201.78	152
20.00	252.06	223.54	168
22.00	304.98	270.48	209
24.00	362.89	321.93	242
25.00	393.76	349.27	263
26.00	425.91	377.79	284
28.00	494.02	438.16	329
30.00	567.13	503.03	378
32.00	645.23	572.32	430

· 6x24 + 7 FC

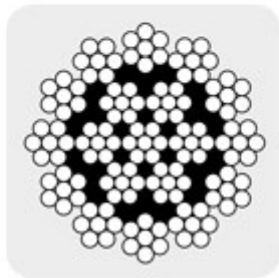
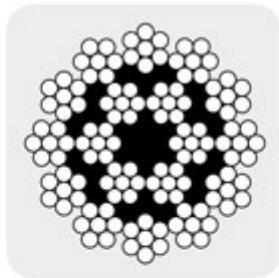
6x24 + 7 FC			
Nominal Dia	Nominal B.S(KN)		Approx Weight
MM	AISI304	AISI316	KG/100M
8.00	28.13	25.58	21.2
9.00	35.57	31.95	26.9
10.00	43.90	39.49	33.2
12.00	63.21	56.84	47.8
13.00	74.19	66.64	56.1
14.00	86.04	77.42	65.1
15.00	98.78	88.89	74.7
16.00	112.70	101.43	85.0
18.00	142.10	127.40	108
19.00	158.76	142.10	120
20.00	175.42	157.78	133
22.00	212.66	191.10	165
24.00	252.84	227.36	191
25.00	274.40	246.96	208
26.00	296.94	266.56	224
28.00	343.98	308.70	260
30.00	394.94	354.76	299
32.00	449.82	404.74	340
30.00	434.14	390.73	328
32.00	493.92	444.53	373

· 6x37 + FC

6x37 + FC			
Nominal Dia	Nominal B.S(KN)		Approx Weight
MM	AISI304	AISI316	KG/100M
12.00	66.54	59.88	51.8
13.00	78.11	70.27	60.8
14.00	90.65	81.54	70.6
15.00	102.90	92.61	81.0
16.00	118.58	105.84	92.2
18.00	149.94	134.26	117
19.00	167.58	149.94	130
20.00	185.22	166.60	144
22.00	223.44	200.90	179
24.00	266.56	239.12	207
25.00	289.10	259.70	225
26.00	312.62	281.26	243
28.00	362.60	326.34	282
30.00	418.46	376.32	324
32.00	473.34	425.32	369

· 6x37 + IWRC

6x37 + IWRC			
6x37 + IWRC			
Nominal Dia	Nominal B.S(KN)		Approx Weight
MM	AISI304	AISI316	KG/100M
12.00	71.93	64.68	64.68
13.00	84.38	75.85	75.85
14.00	97.80	88.00	88.00
15.00	112.70	104.37	104.37
16.00	127.40	114.66	114.66
18.00	161.70	145.04	145.04
19.00	183.26	164.64	164.64
20.00	199.92	179.34	179.34
22.00	242.06	217.56	217.56
24.00	287.14	257.74	257.74
25.00	317.52	285.18	285.18
26.00	337.12	302.82	302.82
28.00	391.02	351.82	351.82
30.00	451.78	405.72	405.72
32.00	511.56	459.62	459.62



Product name : Stainless Rope : Non-Rotating

Explanation of products :

Comparing to conventional wire ropes, multi layers of strands reduce rotating tendency of wire ropes and provide outstanding flexibility and even surface of wire ropes.

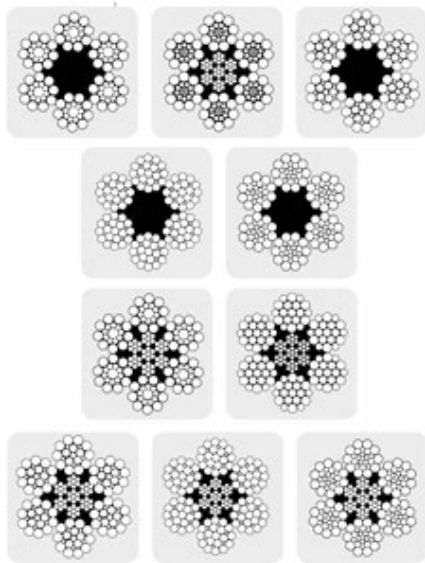
Properties

General Rope : [18x7+FC],[19x7]

Non-rotating rope has flattened surface and excellent flexibility.
Superior Non-rotating characteristic.

• **Stainless Rope : Non-Rotating**

Nominal Dia.	18x7 + FC			19x7		
	Nominal B.S(KN)		Approx Weight	Nominal B.S(KN)		Approx Weight
MM	AISI304	AISI316	KG/M	AISI304	AISI316	KG/M
6	19.6	18.03	14.4	20.87	18.52	15.1
8	35.08	31.95	25.6	37.04	32.93	26.9
9	44.3	40.47	32.4	46.84	41.65	34
10	54.78	49.98	40	57.92	54.45	42
11	66.44	60.47	48.4	70.07	62.23	50.8
12	78.79	71.93	57.6	83.3	74.09	60.5
13	92.61	84.38	67.6	97.8	86.93	71
14	106.82	97.9	78.4	113.68	100.94	82.3
15	122.5	111.72	90	129.36	114.66	94.5
16	139.16	127.4	102	147.98	131.32	108
18	177.38	162.68	130	187.18	166.6	136
19	197.96	180.32	144	207.76	185.22	152
20	218.54	199.92	160	231.28	205.8	168
22	265.58	242.06	194	280.28	248.92	203



Product name : PowerLift 6x19

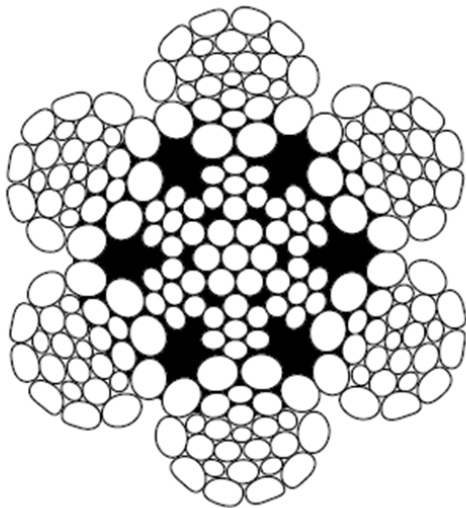
Explanation of products :
PowerLift Rope is a round-type rope which is used for Crane.
PowerLift shows DSR's unique Know-How and advanced technology.

Properties

Rotation - resistance
High structural stability
High breaking load
Excellent life time

• PowerLift 6 [6x19 Class Rope]

Nominal Dia.		Minimum Breaking Load (Metric Ton)							
		6x19+FC		Approx Weight	6x19+IWRC				Approx Weight
		165 KG/MM ²	180 KG/MM ²		165 KG/MM ²	180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1620 N/MM ²	1770 N/MM ²	KG/M	1620 N/MM ²	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
6	-	2.0	2.1	0.14	2.3	2.4	2.7	2.9	0.16
6.53	1/4	2.4	2.5	0.16	2.7	2.9	3.2	3.5	0.18
8	5/16	3.6	3.8	0.25	4.1	4.3	4.8	5.2	0.28
9	-	4.5	4.8	0.31	5.1	5.4	6.1	6.6	0.35
9.53	3/8	5.1	5.4	0.35	5.8	6.1	6.8	7.4	0.39
10	-	5.6	5.9	0.39	6.3	6.7	7.5	8.1	0.43
11.2	7/16	7.0	7.4	0.48	7.9	8.4	9.4	10.2	0.54
12	-	8.0	8.5	0.56	9.1	9.7	10.8	11.7	0.62
12.7	1/2	9.0	9.5	0.62	10.2	10.8	12.1	13.1	0.69
13	-	9.4	10.0	0.65	10.7	11.4	12.7	13.7	0.73
14	-	10.9	11.6	0.76	12.4	13.2	14.7	15.9	0.84
14.3	9/16	11.4	12.1	0.79	13.0	13.7	15.3	16.6	0.88
15	-	12.5	13.3	0.87	14.2	15.1	16.9	18.3	0.97
16	5/8	14.2	15.1	0.99	16.2	17.2	19.2	20.8	1.10
17.5	11/16	17.0	18.1	1.18	19.4	20.6	23.0	24.9	1.32
18	-	18.0	19.2	1.25	20.5	21.8	24.3	26.3	1.40
19	3/4	20.1	21.4	1.39	22.9	24.3	27.1	29.3	1.55
20	-	22.2	23.7	1.54	25.3	26.9	30.0	32.5	1.72
21	13/16	24.5	26.1	1.70	27.9	29.6	33.1	35.8	1.90
22	-	26.9	28.6	1.87	30.7	32.5	36.3	39.3	2.08
22.2	7/8	27.4	29.2	1.90	31.3	33.2	37.1	40.2	2.13
24	15/16	32.0	34.1	2.22	36.5	38.7	43.2	46.8	2.48
25	-	34.7	37.0	2.41	39.6	42.0	46.9	50.8	2.69
25.4	1	35.8	38.2	2.49	40.9	43.4	48.4	52.4	2.78
26	1-1/16	37.6	40.0	2.61	42.8	45.4	50.7	55.0	2.91
28	-	43.6	46.4	3.03	49.7	52.7	58.8	63.7	3.38
28.6	1-1/8	45.4	48.4	3.16	51.8	55.0	61.3	66.5	3.52
30	1-3/16	50.0	53.2	3.48	57.0	60.5	67.5	73.2	3.88
31.5	1-4/16	56.2	59.8	3.90	64.1	68.0	75.8	82.2	4.35
32	-	56.9	60.6	3.95	64.9	70.8	76.8	83.2	4.41
34	-	64.2	68.4	4.46	73.2	77.7	86.7	94.0	4.98
35	1-3/8	68.1	72.5	4.73	77.6	82.3	91.9	99.6	5.27
36	-	72.0	76.7	5.00	82.1	87.1	97.2	105.4	5.58
38	-	80.2	85.4	5.58	91.5	97.1	108.3	117.4	6.22
38.1	1-1/2	80.6	85.9	5.60	91.9	97.6	108.9	118.0	6.25
40	-	88.9	94.7	6.18	101.3	107.6	120.0	130.1	6.89
42	-	98.0	104.4	6.81	111.7	118.6	132.3	-	7.60
44	-	107.6	114.5	7.48	122.6	130.1	145.2	-	8.34
44.5	1-3/4	109.8	116.9	7.63	125.1	132.8	148.2	-	8.51
46	-	117.6	125.2	8.17	134.0	142.2	158.7	-	9.11
48	-	128.0	136.3	8.90	145.9	154.9	172.8	-	9.92
50	-	138.9	147.9	9.65	158.3	168.1	187.5	-	10.76
50.8	2	143.4	152.7	9.96	163.4	173.5	193.5	-	11.11
52	-	150.2	160.0	10.44	171.3	181.8	202.8	-	11.64
54	-	162.0	172.5	11.26	184.7	196.0	218.7	-	12.56
56	-	174.2	185.5	12.11	198.6	210.8	235.2	-	13.50
57.2	2-1/4	181.8	193.6	12.63	207.2	219.9	245.4	-	14.09
58	-	186.9	199.0	12.99	213.1	226.1	252.3	-	14.48
60	-	200.0	213.0	13.90	228.0	242.0	270.0	-	15.50
63.5	2-1/2	224.0	-	15.57	255.4	271.1	302.4	-	17.36
66	-	242.0	-	16.82	275.9	292.8	326.7	-	18.75
68	-	256.9	-	17.85	292.9	310.8	346.8	-	19.91
70	2-3/4	272.2	-	18.92	310.3	329.4	-	-	21.01
72	-	288.0	-	20.02	328.3	348.5	-	-	22.32
74	-	304.2	-	21.14	346.8	368.1	-	-	23.58
76.2	3	322.6	-	22.42	367.7	390.3	-	-	25.00



Product name : Power Swaged Rope

Explanation of products :

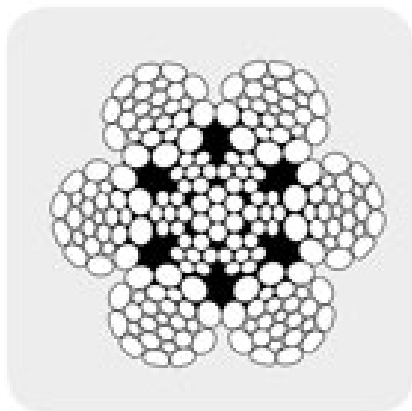
By swaging the surface of wire rope, this construction is strong against abrasion and crushing, while maintaining high breaking strength. This construction is mainly used in logging industry as a sky line.

Properties

Very strong rotation - resistance
High structural stability.
Excellent resistance to deformation.

• Power Swaged Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
MM	INCH	TON	LBS	KG/M
12.7	1/2	17.2	37,940	0.977
14.3	9/16	21.9	48,350	1.237
15.9	5/8	26.2	57,860	1.527
17.5	11/16	32.3	71,310	1.848
19.1	3/4	38.9	85,850	2.199
20.6	13/16	45.2	99,590	2.581
22.2	7/8	51.5	113,520	2.993
23.8	15/16	60	132,200	3.436
25.4	1	66.9	147,400	3.909



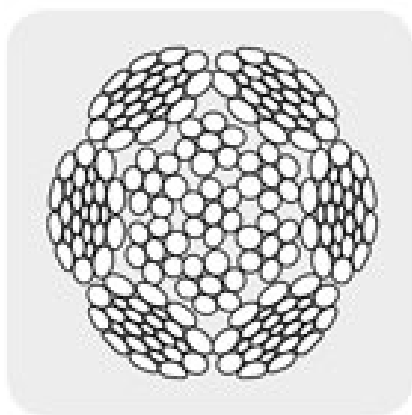
Product name : Swaged Rope

Explanation of products :

By swaging the surface of wire rope, this construction is strong against abrasion and crushing, while maintaining high breaking strength. This construction is mainly used in logging industry as a sky line.

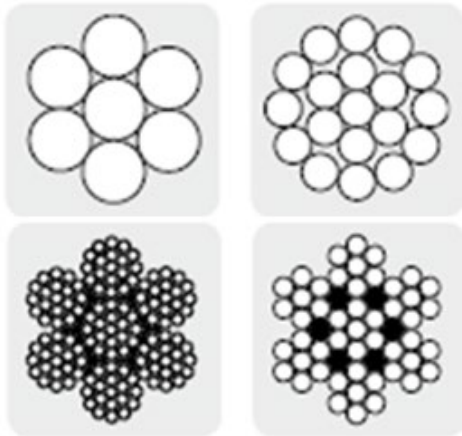
Properties

Very strong rotation - resistance
High structural stability.
Excellent resistance to deformation.



- Swaged Rope

Nominal Dia.		Swaged		SuperSwaged	
		Minimum Breaking Load (Metric Ton)	Approx Weight	Minimum Breaking Load (Metric Ton)	Approx Weight
MM	INCH	TON	KG/M	TON	KG/M
11.2	7/16	11.07	0.694	12.18	0.703
12.6	1/2	14.52	0.878	15.97	0.905
14.3	9/16	18.33	1.071	20.53	1.166
16	5/8	22.41	1.301	25.1	1.442
17.5	11/16	27.15	1.547	30.41	1.747
19	3/4	32.02	1.818	35.86	2.059
20.6	13/16	37.64	2.113	42.16	2.42
22.2	7/8	43.36	2.753	48.56	2.811
24		50.22	3.108	54.24	3.285
25.4	1	56.25	3.482	60.75	3.679
28.6	1-1/8	71.32	4.301	-	-
32	1-1/4	89.28	5.209	-	-



Product name : Aircraft-Cable

Explanation of products :

You can apply to our stainless steel cable for any industries or products require following characteristics. Require flexibility and fatigue resistance. Require excellent structural stability and corrosion resistance.

Properties

General Rope : [1x7], [1x19],[7x7],[7x19]

Each stainless steel cable has excellent structural stability, flexibility, fatigue resistance and surface brightness.

It has been applied to leisure yachts, aircrafts, cars, motor cycle and farming machinaries.

• 1x7

Nominal Dia.	1x7		Approx Weight
	Nominal B.S (KN)		
MM	AISI304	AISI316	KG/M
0.8	0.67	0.59	0.336
1	1.03	0.91	0.525
1.2	1.47	1.32	0.756
1.5	2.25	2.06	1.18
2	4.02	3.63	2.1
2.5	6.13	5.34	3.28
3	8.82	7.69	4.73
3.5	11.56	10.49	6.43
4	15.09	13.62	8.4
5	22.83	21.36	13.1
6	32.93	30.77	18.9
7	44.88	41.85	25.7
8	58.7	54.59	33.6
9	74.68	69.09	42.5
10	86.04	79.38	52.5

• 1x19

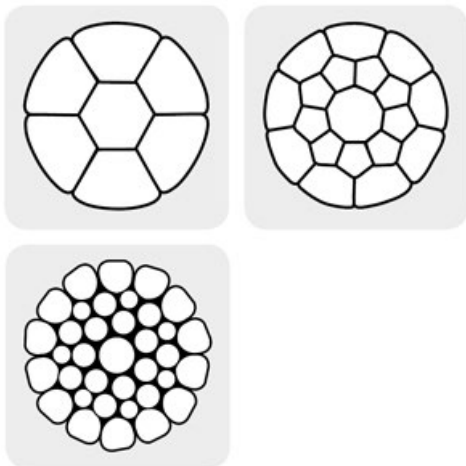
Nominal Dia.	1x19		Approx Weight
	Nominal B.S (KN)		
MM	AISI304	AISI316	KG/M
1	0.94	0.82	0.51
1.2	1.37	1.18	0.73
1.5	2.11	1.85	1.15
2	3.72	3.29	2.04
2.5	5.88	5.15	3.19
3	8.13	7.41	4.59
3.5	11.17	10.09	6.25
4	14.6	13.13	8.16
5	22.83	20.58	12.8
6	32.54	29.89	18.4
7	44	40.38	25
8	55.86	52.72	32.6
9	70.56	66.74	41.3
10	86.53	82.32	51
11	102.9	99.96	61.7
12	121.52	118.58	73.4
13	142.1	137.2	86.2
14	163.66	158.76	100
16	210.7	199.92	131
18	261.66	251.86	165
19	289.1	280.28	184

• 7x19

Nominal Dia.	7x19		Approx Weight
	Nominal B.S (KN)		
MM	AISI304	AISI316	KG/M
1.2	1.13	0.96	0.59
1.5	1.72	1.47	0.923
2	2.74	2.45	1.64
2.5	4.31	3.82	2.56
3	6.17	5.29	3.69
3.5	8.23	7.25	5.02
4	10.68	9.41	6.56
5	16.66	14.6	10.3
6	24.11	21.07	14.8
7	30.77	28.67	20.1
8	40.18	37.44	26.2
9	53.41	47.43	33.2
10	64.48	58.51	41
12	92.9	84.38	59
14	123.48	114.66	80.4
16	157.78	141.81	105
18	190.92	177.38	133
19	220.5	200.51	148
20	244.02	215.6	164
22.2	294.98	259.7	204
24	338.1	299.88	236
25	367.5	334.18	256
26	397.88	351.82	277
28	453.35	410.82	321
30	520.38	471.38	369
32	575.26	533.12	420

• 7x7

Nominal Dia.	7x7		Approx Weight
	Nominal B.S (KN)		
MM	AISI304	AISI316	KG/M
0.8	0.54	0.45	0.262
1	0.82	0.69	0.41
1.2	1.2	0.98	0.59
1.5	1.67	1.47	0.293
2	2.84	2.55	1.64
2.5	4.51	3.92	2.56
3	6.47	5.73	3.69
3.5	8.82	7.79	5.02
4	11.17	10.19	6.56
5	17.54	15.88	10.3
6	25.19	22.83	14.8
7	33.32	30.97	20.1
8	43.61	38.71	26.2
9	52.92	49	33.2
10	65.66	59.29	41
12	92.12	84.28	59
14	125.44	112.7	80.4
16	161.7	144.06	105
18	200.9	182.28	133
19	225.4	203.84	148
20	245.98	226.38	164
22.2	297.92	278.32	204



Product name : Powerflex Cable

Explanation of products :

By flattening the surface of outer wires of each strand, this Plane Contacting Lay construction has flat/touch area of outer wires. Compared to round strand type rope, it has higher breaking load.

Properties

General Rope : Powerflex Cable [1x7],[1xS(19)],[1xWS(36)]

Good abrasion-resistance and excellent crushing resistance.

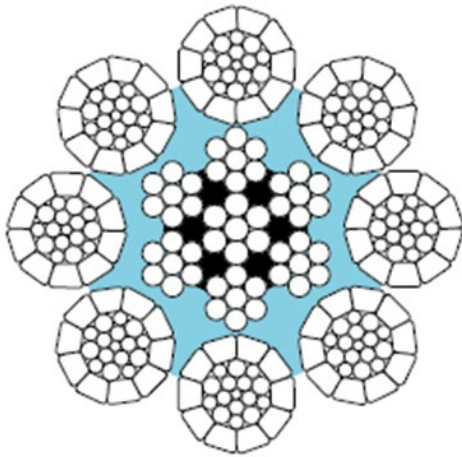
Much higher breaking strength compared to round strand type rope.

High tensile strength and superior non-rotating characteristics.

• Powerflex Cable

Const.	Nominal Dia.	Approx Weight	Nominal B.S
	MM	KG/M	KN
1x7	2	2.28	4.31
	2.5	3.56	6.76
	3	5.13	9.8
	3.5	6.98	13.23
	4	9.12	17.44
1xS(19)	3	2.28	4.31
	4	9.6	17.44
	5	15	25.48
	6	21.6	35.28
	7	29.4	49
	8	38.4	61.74
	10	60	98
	11	72.6	118.58
1xWS(36)	12	86.4	142.1
	14	118	189.14
	16	152	250.88
	19	217	303

Product name : Powerfil 8



Explanation of products :

Powerfil rope is specialized for crane rope which has compacted outer strands and developed for cranes. It's filled with the special fiber yarn between the compacted outer strand and inner strand with IWRC structure. It has the extended life time through reducing pressure between outer strands and inner parts of the wire rope and keeping inner parts of wire ropes from rust and dirt that cause fractions of wire ropes to ropes. The special fiber yarn increase corrosion resistance and 30% durability than normal wire ropes by providing lubrication to IWRC.

Properties

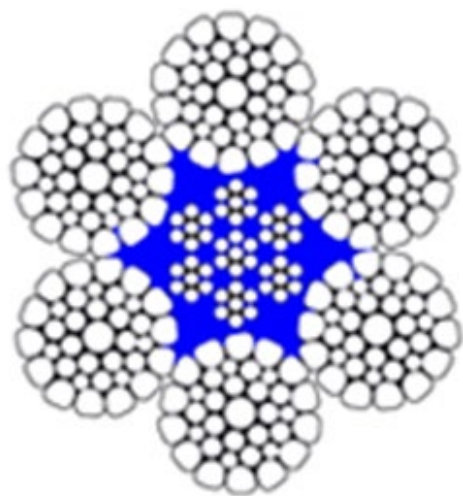
High fatigue resistance
Very high breaking load
Excellent resistance to deformation
Strong against corrosion & abrasion
Extended life of winch drum and sheave
Fully lubricated & decrease of wirerope inside damage

• Powerfil 8

Nominal Dia		Minimum Breaking Load (Metric TON)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
22		39.2	43.2	46.1	2.17
24		46.7	51.4	54.8	2.58
25		50.6	55.8	59.5	2.80
26		54.8	60.3	64.3	3.03
28		63.5	69.9	74.6	3.51
28.6	1-1/8	66.3	73.0	77.8	3.66
30	1-3/16	72.9	80.3	85.7	4.03
32		83.0	91.4	97.5	4.58
34		93.7	103.1	110.0	5.18
35		99.2	109.3	116.6	5.48
36		105.0	115.6	123.3	5.80
38		117.0	128.8	137.4	6.47
38.1	1-1/2	117.6	129.5	138.1	6.50
40		129.6	142.8	152.3	7.16
42		142.9	157.4	-	7.90
44		156.8	172.7	-	8.67
45		164.1	180.7		9.07
46		171.4	188.8	-	9.57
48		186.7	205.6	-	10.42

Product name : Powerfil 6

Explanation of products :



Powerfil rope is specialized for crane rope which has compacted outer strands and developed for cranes. It's filled with the special fiber yarn between the compacted outer strand and inner strand with IWRC structure. It has the extended life time through reducing pressure between outer strands and inner parts of the wire rope and keeping inner parts of wire ropes from rust and dirt that cause fractions of wire ropes to ropes. The special fiber yarn increase corrosion resistance and 30% durability than normal wire ropes by providing lubrication to IWRC.

POWERFIL 6

Nominal Dia		Minimum Breaking Load (Metric TON)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
18		25.6	27.7	29.0	1.53
19	3/4	28.5	30.9	32.3	1.71
20		31.6	34.2	35.8	1.89
21	13/16	34.8	37.7	39.4	2.09
22		38.2	41.4	43.3	2.29
22.2	7/8	39.0	42.3	44.2	2.34
24	15/16	45.5	49.3	51.5	2.73
25		49.3	53.5	55.9	2.96
25.4	1	50.9	55.2	57.7	3.05
26	1-1/16	53.4	57.9	60.5	3.20
28		61.9	67.1	70.1	3.71
28.6	1-1/8	64.6	70.0	73.2	3.87
30	1-3/16	71.1	77.0	80.5	4.26
31.8	1-1/4	79.8	86.5	90.4	4.79
32		80.3	87.6	91.6	4.85
34		91.3	98.9	103.4	5.47
35	1-3/8	96.7	104.8	109.6	5.80
36		102.3	110.9	115.9	6.14
38		114.0	123.6	129.1	6.84
38.1	1-1/2	114.6	124.2	129.8	6.87
40		126.3	136.9	-	7.58
42		139.3	151.0	-	8.35
44		152.9	165.7	-	9.17
44.5	1-3/4	156.0	169.1	-	9.35
46		167.1	181.1	-	10.02
48		181.9	-	-	10.91
50		197.4	-	-	11.84
50.8	2	203.8	-	-	12.22
52		213.5	-	-	12.80

Properties

High fatigue resistance
Very high breaking load
Excellent resistance to deformation
Strong against corrosion & abrasion
Extended life of winch drum and sheave
Fully lubricated & decrease of wirerope inside damage
Excellent life time

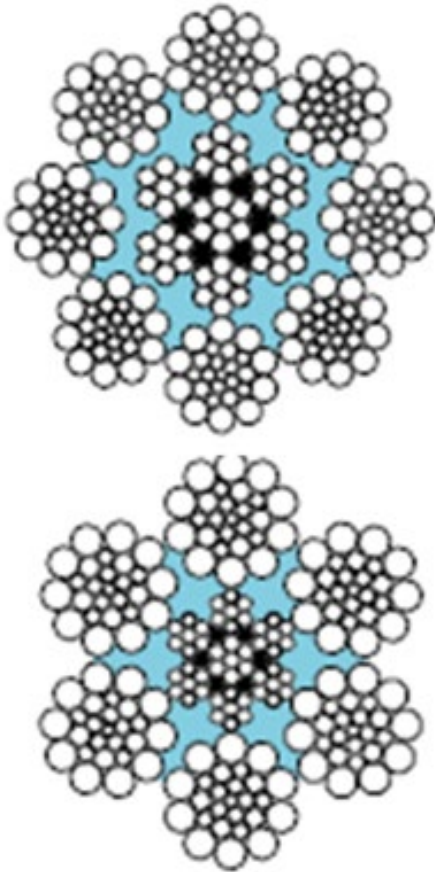
Product name : Flexfil 8, Flexfil 6

Explanation of products :

Improved Durability and Service Life Flexfil rope has about 30% better durability and service life than conventional wire ropes by filling specialized fiber containing grease inside.

Properties

30% Better fatigue resistance
Very high breaking load
Strong against corrosion
High resistance to deformation
Fully lubricated & decrease of wire rope inside damage
Excellent life time



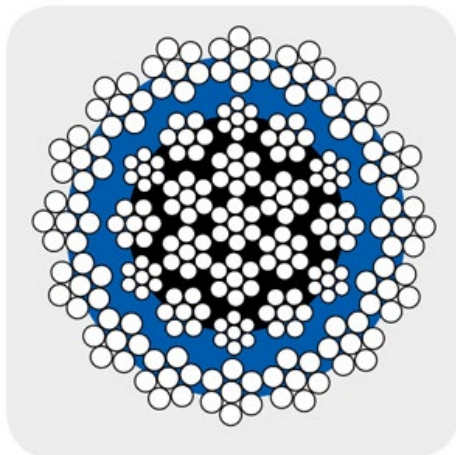
• Flexfil 8,

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
MM	INCH	180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
		1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
22		33.4	37.2	40.3	2.12
24		39.8	44.3	47.9	2.52
25		43.1	48.1	52.0	2.73
26	1-1/16	46.7	52.0	56.2	2.96
28		54.1	60.3	65.2	3.43
28.6	1-1/8	56.5	62.9	68.0	3.58
30	1-3/16	62.1	69.2	74.9	3.94
32		70.7	78.8	85.2	4.48
34		79.8	88.9	96.1	5.06
35		84.5	94.2	101.9	5.36
36		89.4	99.7	107.8	5.67
38		99.7	111.1	120.1	6.32
38.1	1-1/2	100.2	111.6	120.7	6.35
40		110.4	123.1	133.1	7.00
42		121.7	135.7	-	7.72
44		133.6	148.9	-	8.47
45		139.8	155.7	-	8.86
46		* 146.0	* 162.7	-	9.25
48		* 159.0	* 177.2	-	10.08

* Available upon request (Operation in poor condition is not recommendable)

• Flexfil 6

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
MM	INCH	180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
		1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
18		22.7	24.7	26.8	1.45
19	3/4	25.3	27.5	29.8	1.62
20		28.1	30.5	33.0	1.79
21	13/16	30.9	33.6	36.4	1.97
22		34.0	36.9	40.0	2.17
22.2	7/8	34.7	37.6	40.8	2.21
24	15/16	40.4	43.9	47.6	2.58
25		43.9	47.6	51.6	2.80
25.4	1	45.3	49.1	53.3	2.89
26	1-1/16	47.4	51.5	55.8	3.03
28		55.0	59.7	64.7	3.51
28.6	1-1/8	57.4	62.3	67.5	3.66
30	1-3/16	63.2	68.5	74.3	4.03
30	1-3/16	63.2	68.5	74.3	4.03
31.8	1-1/4	71.0	77.0	83.5	4.53
32		71.9	78.0	84.6	4.58
34		81.1	88.0	95.5	5.18
35	1-3/8	86.0	93.3	101.2	5.48
36		91.0	98.7	107.0	5.80
38		101.3	110.0	119.2	6.46
38.1	1-1/2	101.9	110.6	119.9	6.50
40		112.3	121.9	132.1	7.16
42		123.8	134.3	-	7.90
44		135.9	147.4	-	8.67
44.5		138.7	150.5	-	8.85
46		148.5	161.2	-	9.47
48		161.7	175.5	-	10.32
50		175.4	190.4	-	11.19
50.8	2	181.1	196.5	-	11.55
52		189.8	205.9	-	12.11
54		204.6	222.1	-	13.06
56		220.1	238.8	-	14.04
57	2-1/4	229.6	249.2	-	14.65
58		236.1	256.2	-	15.06
60		252.6	274.2	-	16.12
63.5	2-1/2	283.0	307.1	-	18.05
66		305.7	-	-	19.50
68		324.5	-	-	20.70
70	2-3/4	343.9	-	-	21.94
72		363.8	-	-	23.21
74		384.3	-	-	24.52
76.2	3	407.5	-	-	26.00



Product name : Flextec 35(L)

Explanation of products :

Improved Fatigue and Abrasion Resistance Because of plastic filled between the steel core and the outer strands, Flextec rope has excellent abrasion resistance and fatigue resistance by keeping out water and abrasive elements that could penetrate conventional ropes.

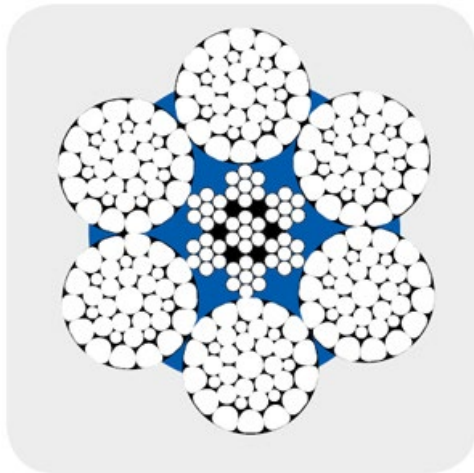
Properties

Very strong rotation - resistance
High structural stability
High breaking load
Prevents abrasion & break among internal wires
Excellent resistance to deformation
Extreamly reduces internal stress
Suitable rope for high lifting Tower crane
Excellent life time

• Flextec 35,35L

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		13.9	16.5	18.2	0.89
14.3	9/16	14.5	17.3	18.7	0.93
15		16.0	19.0	20.6	1.02
16	5/8	18.2	21.6	23.3	1.16
17.5	11/16	21.7	25.9	28.0	1.39
18		23.0	27.3	29.9	1.47
19	3/4	25.6	30.5	33.1	1.64
20		28.4	33.8	36.6	1.82
21	13/16	31.3	37.2	40.4	2.01
22		34.3	40.9	44.3	2.20
24	15/16	40.9	48.6	52.7	2.62
25		44.3	52.8	57.2	2.84
25.4	1	45.8	54.5	59.0	2.94
26	1-1/16	48.0	57.1	61.9	3.08
28		55.6	66.2	71.5	3.57
28.6	1-1/8	58.0	69.0	* 74.6	3.72
30	1-3/16	63.9	76.0	* 82.0	4.09
31.8	1-3/16	71.7	85.4	* 92.2	4.60
32		72.6	86.4	* 93.4	4.66
34		82.0	97.6	* 105.4	5.26
35	1-3/8	86.9	103.4	* 111.7	5.57
36		91.9	109.4	* 118.1	5.90

* Available upon request (Operation in poor condition is not recommendable)



Product name : Flextec 8, Flextec 6

Explanation of products :

Improved Fatigue and Abrasion Resistance Because of plastic filled between the steel core and the outer strands, Flextec rope has excellent abrasion resistance and fatigue resistance by keeping out water and abrasive elements that could penetrate conventional ropes.

Properties

Very strong rotation - resistance
High structural stability
High breaking load
Prevents abrasion & break among internal wires
Excellent resistance to deformation
Extreamly reduces internal stress
Suitable rope for high lifting Tower crane
Excellent life time

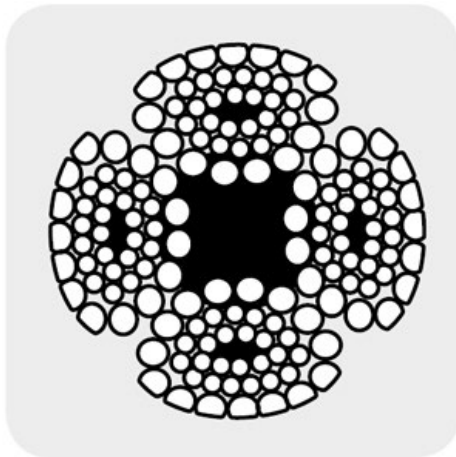
•Flextec 6

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
31.8	1-1/4	71.0	77.0	83.5	4.55
32		71.9	78.0	84.6	4.61
34		81.1	88.1	95.5	5.20
35	1-3/8	86.0	93.3	101.2	5.51
36		91.0	98.7	107.0	5.83
38		101.3	110.0	119.2	6.50
38.1	1-1/2	101.9	110.6	119.9	6.53
40		112.3	121.9	132.1	7.20
42		123.8	134.4	-	7.94
44		135.9	147.5	-	8.71
44.5	1-3/4	138.7	150.5	-	8.89
46		148.5	161.2	-	9.52
48		161.7	175.5	-	10.36
50		175.4	190.5	-	11.25
50.8	2	181.1	196.6	-	11.61
52		189.8	206.0	-	12.16
54		204.6	222.1	-	13.12
56		220.1	238.9	-	14.11
57.2	2-1/4	229.6	249.3	-	14.72
58		236.1	256.3	-	15.13
60		252.6	274.3	-	16.20
63.5	2-1/2	283.0	307.2	-	18.14
66		305.7	-	-	19.60
68		324.5	-	-	20.80
70	2-3/4	343.9	-	-	22.04
72		363.8	-	-	23.32
74		384.3	-	-	24.63
76.2	3	407.5	-	-	26.12

•Flextec 8

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
22		33.6	37.4	40.5	2.15
24		40.0	44.5	48.1	2.56
25		43.4	48.3	52.2	2.77
26	1-1/16	46.9	52.3	56.5	3.00
28		54.4	60.6	65.5	3.48
28.6	1-1/8	56.7	63.2	68.4	3.63
30	1-3/16	62.4	69.6	75.2	4.00
32		71.0	79.2	85.6	4.55
34		80.2	89.4	96.6	5.13
35		85.0	94.7	102.4	5.44
36		89.9	100.2	108.3	5.75
38		100.2	111.6	120.7	6.41
38.1	1-1/2	100.7	112.2	121.3	6.44
40		111.0	123.7	133.7	7.10
42		122.4	136.4	-	7.83
44		134.3	149.6	-	8.59
45		140.5	156.5	-	8.99
46		* 146.8	* 163.6	-	9.39
48		* 159.8	* 178.1	-	10.23

* Available upon request (Operation in poor condition is not recommendable)



Product name : SAS rope

Explanation of products :

SAS rope is specially designed to be used where minimal rotation is a requirement. Comparing other multi-strand non-rotating constructions, this flattened 3 or 4 strands rope with fiber core construction enables this rope to have superior non-rotating characteristics and resistance to deformation. This rope is recommended for high altitude crane.

Properties

Superior non-rotating characteristics

Excellent deforming resistance

Longer fatigue life

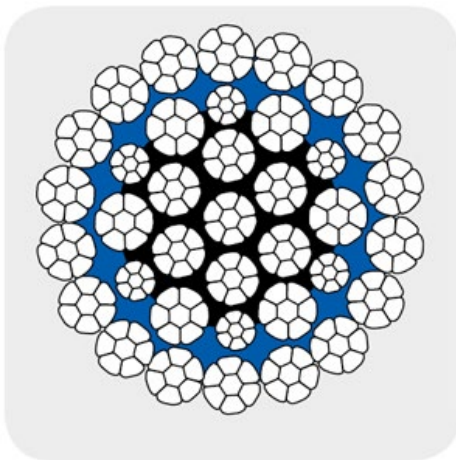
High flexibility with fiber cores in each strand

Strong against abrasion

Excellent life time

· SAS

Nominal Dia.		Minimum Breaking Load (Metric Ton)					Approx Weight
		SAS 3×SeS(39) + FC		Approx Weight	SAS 4×SeS(39) + FC		
		180 KG/MM²	200 KG/MM²		180 KG/MM²	200 KG/MM²	
MM	INCH	1770 N/MM²	1960 N/MM²	KG/M	1770 N/MM²	1960 N/MM²	KG/M
11.2	7/16	8.8	9.5	0.51	8.2	8.9	0.52
12		10.1	10.9	0.59	9.4	10.2	0.59
12.7	1/2	11.3	12.2	0.66	10.6	11.4	0.66
13		11.8	12.8	0.69	11.1	12.0	0.70
14	9/16	13.7	14.9	0.80	12.8	13.9	0.81
14.3		14.3	15.5	0.83	13.4	14.5	0.84
15	5/8	15.8	17.1	0.92	14.7	16.0	0.93
16		17.9	19.4	1.04	16.8	18.2	1.05
17.5	11/16	21.5	23.2	1.25	20.0	21.7	1.26
18		22.7	24.6	1.32	21.2	23.0	1.33
19	3/4	25.3	27.4	1.47	23.6	25.6	1.48
20		28.0	30.4	1.63	26.2	28.4	1.65
21	13/16	30.9	33.5	1.80	28.9	31.3	1.81
22		33.9	36.7	1.97	31.7	34.3	1.99
22.2	7/8	34.6	37.5	2.01	32.3	35.0	2.03
24		40.4	43.7	2.35	37.7	40.9	2.37
25	15/16	43.8	47.4	2.55	40.9	44.3	2.57
25.4		45.2	49.0	2.63	42.2	45.8	2.65
26	1-1/16	47.4	51.3	2.75	44.2	48.0	2.78
28		54.9	59.5	3.19	51.3	55.6	3.23
28.6	1-1/8	57.3	62.1	3.33	53.5	58.0	3.36
30		63.1	68.3	3.67	58.9	63.9	3.70
31.8	1-1/4	70.9	76.7	4.12	66.2	71.7	4.16
32		71.8	77.7	4.17	67.0	72.7	4.21
34	-	81.0	87.8	4.71	75.7	82.0	4.76
35		85.8	93.0	4.99	80.2	86.9	5.04
36	1-3/8	90.8	98.4	5.28	84.8	91.9	5.33
38		101.2	109.7	5.88	94.5	102.4	5.94



Product name : PowerTec 37(L)

Explanation of products :

Powertec for cranes has been developed by compacting outer strand of Flextec. With plastic injection between outer strands and inner strands, cross section area of each wire became smaller than normal wire rope. This enables Powertec to have superior strength against abrasion and fatigue because smaller space within wire rope prevents dirt and humidity from ordinary circumstance. Thus lifespan is about 2 times longer than general type of wire rope and also it has superior flexibility which makes it work perfectly and safely on every type of crane.

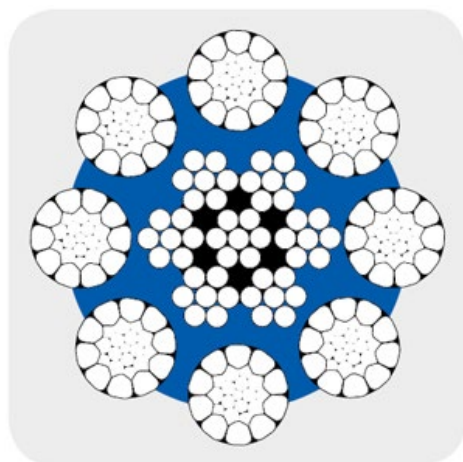
• PowerTec 37,37L

Properties

Very strong rotation - resistance
High structural stability
Very high breaking load
Very high flexibility
Prevents abrasion & break among internal wires
Very strong rotation - resistance
High structural stability
Very high breaking load
Very high flexibility
Prevents abrasion & break among internal wires

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.5	19.8	1.02
14.3	9/16	19.3	20.7	1.06
15		21.2	22.7	1.17
16	5/8	24.2	25.9	1.33
17.5	11/16	28.9	30.9	1.59
18		30.6	32.7	1.69
19	3/4	34.1	36.5	1.88
20		37.8	40.4	2.08
21	13/16	41.6	44.5	2.30
22		45.7	48.9	2.52
22.2	7/8	46.6	49.9	2.57
24	15/16	54.4	58.2	3.00
25		59.0	63.1	3.25
25.4	1	60.9	65.2	3.36
26	1-1/16	63.8	68.3	3.52
28		74.0	79.2	4.08
28.6	1-1/8	77.2	* 82.6	4.26
30	1-3/16	84.9	* 90.9	4.68
31.8	1-1/4	95.4	* 102.1	5.26
32		96.7	* 103.4	5.33
34		109.1	* 116.7	6.02
35	1-3/8	115.6	* 123.7	6.38
36		122.3	* 130.9	6.74

* Available upon request (Operation in poor condition is not recommendable)



Product name : PowerTec 8

Explanation of products :

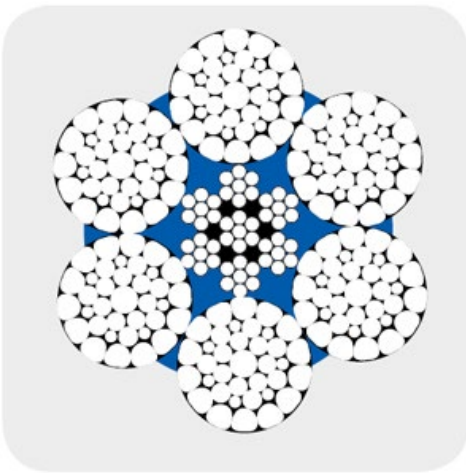
Powertec for cranes has been developed by compacting outer strand of Flextec. With plastic injection between outer strands and inner strands, cross section area of each wire became smaller than normal wire rope. This enables Powertec to have superior strength against abrasion and fatigue because smaller space within wire rope prevents dirt and humidity from ordinary circumstance. Thus lifespan is about 2 times longer than general type of wire rope and also it has superior flexibility which makes it work perfectly and safely on every type of crane.

• PowerTec 8

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		16.0	17.6	18.8	0.90
14.3	9/16	16.6	18.4	19.6	0.93
15		18.3	20.2	21.6	1.03
16	5/8	20.8	23.0	24.6	1.17
17.5	11/16	24.9	27.5	29.4	1.40
18		26.4	29.1	31.1	1.48
19	3/4	29.4	32.4	34.6	1.65
20		32.6	35.9	38.4	1.83
22		39.4	43.5	46.4	2.21
24	15/16	46.9	51.8	55.2	2.63
25		50.9	56.2	59.9	2.85
26	1-1/16	55.0	60.7	64.8	3.09
28		63.8	70.4	75.2	3.58
28.6	1-1/8	66.6	73.5	78.2	3.74
30	1-3/16	73.2	80.9	86.1	4.11
32		83.3	92.0	97.9	4.68
34		94.1	103.9	110.5	5.28
35	1-3/8	99.7	110.1	117.1	5.59
36		105.5	116.4	123.9	5.92
38		117.5	129.7	138.1	6.59
38.1	1-1/2	118.1	130.4	138.8	6.63
40		130.2	143.8	153.0	7.31
42		143.6	158.5	-	8.06
44		157.5	173.9	-	8.84
45		164.8	181.9	-	9.25
46		* 172.2	* 190.1	-	9.76
48		* 187.5	* 207.0	-	10.63

Properties

High structural stability
Very high breaking load
Very high flexibility
Excellent life time
Prevents abrasion & break among internal wires
Excellent resistance to deformation
Extreamly reduces internal stress
Extended life of winch drum and sheave
Suitable rope for special crane



Product name : PowerTec 6

Explanation of products :

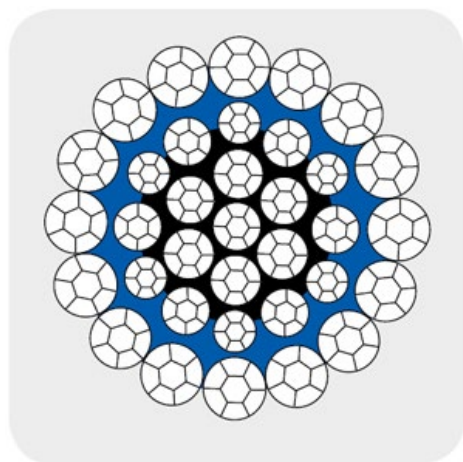
Powertec for cranes has been developed by compacting outer strand of Flextec. With plastic injection between outer strands and inner strands, cross section area of each wire became smaller than normal wire rope. This enables Powertec to have superior strength against abrasion and fatigue because smaller space within wire rope prevents dirt and humidity from ordinary circumstance. Thus lifespan is about 2 times longer than general type of wire rope and also it has superior flexibility which makes it work perfectly and safely on every type of crane.

Properties

High Fatigue Resistance
Very High Breaking Load
High Structural Stability
Prevents Abrasion & Break Among Internal Wires
Excellent Resistance to Deformation
Extreamly Reduces Internal Stress
Extended Life of Winch Drum and Sheave
Plastic layer between the core and the outer strands
Excellent Life Time

• PowerTec 6

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
31.8	1-1/4	81.0	87.8	91.8	4.81
32		82.1	89.0	93.0	4.87
34		92.6	100.4	104.9	5.50
35	1-3/8	98.2	106.4	111.2	5.82
36		103.9	112.6	117.7	6.16
38		115.7	125.4	131.1	6.87
38.1	1-1/2	116.3	126.1	131.8	6.90
40		128.2	139.0	-	7.61
42		141.4	153.2	-	8.39
44		155.1	168.2	-	9.21
44.5	1-3/4	158.3	171.6	-	9.39
46		169.6	183.8	-	10.06
48		184.6	-	-	10.96
50		200.3	-	-	11.89
50.8	2	206.8	-	-	12.27
52		216.7	-	-	12.86



Product name : PowerTec 35(L)

Explanation of products :

Powertec for cranes has been developed by compacting outer strand of Flextec. With plastic injection between outer strands and inner strands, cross section area of each wire became smaller than normal wire rope. This enables Powertec to have superior strength against abrasion and fatigue because smaller space within wire rope prevents dirt and humidity from ordinary circumstance. Thus lifespan is about 2 times longer than general type of wire rope and also it has superior flexibility which makes it work perfectly and safely on every type of crane.

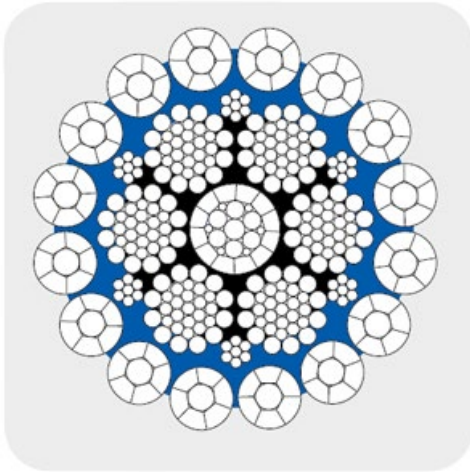
• PowerTec 35,35L

Properties

Very strong rotation - resistance
High structural stability
Very high breaking load
High flexibility
Prevents abrasion & break among internal wires
Excellent resistance to deformation
Extreamly reduces internal stress
Extended life of winch drum and sheave
Suitable rope for high lifting Tower crane
Excellent Life Time

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.6	19.9	1.02
14.3	9/16	19.4	20.8	1.06
15		21.3	22.8	1.17
16	5/8	24.3	26.0	1.33
17.5	11/16	29.0	31.1	1.59
18		30.7	32.9	1.68
19	3/4	34.2	36.6	1.87
20		37.9	40.6	2.07
21	13/16	41.8	44.8	2.28
22		45.9	49.1	2.51
22.2	7/8	46.8	50.1	2.56
24	15/16	54.6	58.5	2.98
25		59.2	63.4	3.24
25.4	1	61.1	65.5	3.34
28	1-1/16	64.1	68.6	3.50
28		74.3	79.6	4.06
28.6	1-1/8	77.5	* 83.0	4.24
30	1-3/16	85.3	* 91.4	4.66
31.8	1-1/4	95.8	* 102.6	5.24
32		97.0	* 103.9	5.30
34		109.6	* 117.3	5.99
35	1-3/8	116.1	* 124.3	6.34
36		122.8	* 131.5	6.71

* Available upon request (Operation in poor condition is not recommendable)



Product name : PowerAct 29P

Explanation of products :

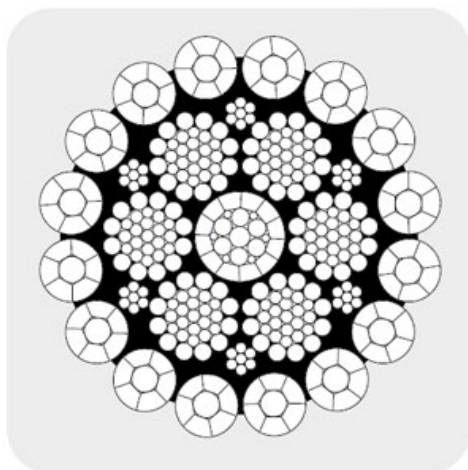
PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Very strong rotation - resistance
Suitable rope for high lifting Tower crane
High structural stability
Extremely high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of which drum and sheave
Excellent life time
Prevents abrasion & breaking among internal wires
Extremely reduces internal stress
Plastic layer between the core and the outer strands

• **PowerAct 29P**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.7	19.9	0.95
14.3	9/16	19.5	20.8	0.99
15		21.5	22.8	1.09
16	5/8	24.4	26.0	1.24
17.5	11/16	29.2	31.0	1.48
18		30.8	32.8	1.56
19	3/4	34.4	36.6	1.74
20		38.1	40.5	1.93
21	13/16	42.0	44.7	2.13
22		46.0	49.0	2.33
22.2	7/8	47.0	50.0	2.38
24	15/16	54.8	58.3	2.77
25		59.4	63.2	3.01
25.4	1	61.3	65.3	3.10
26	1-1/16	64.3	68.4	3.25
28		74.5	79.3	3.77



Product name : PowerAct 29

Explanation of products :

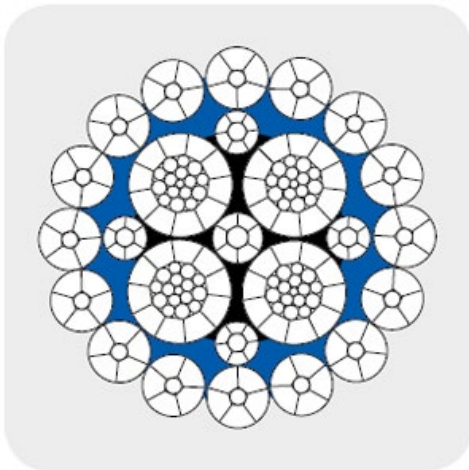
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Properties

Very strong rotation - resistance
Suitable rope for high lifting Tower crane
High structural stability
Extremely high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of which drum and sheave
Excellent life time

• **PowerAct 29**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.7	19.9	0.95
14.3	9/16	19.5	20.8	0.99
15		21.5	22.8	1.09
16	5/8	24.4	26.0	1.24
17.5	11/16	29.2	31.0	1.48
18		30.8	32.8	1.56
19	3/4	34.4	36.6	1.74
20		38.1	40.5	1.93
21	13/16	42.0	44.7	2.13
22		46.0	49.0	2.33
22.2	7/8	47.0	50.0	2.38
24	15/16	54.8	58.3	2.77
25		59.4	63.2	3.01
25.4	1	61.3	65.3	3.10
26	1-1/16	64.3	68.4	3.25
28		74.5	79.3	3.77



Product name : PowerAct 28DP

Explanation of products :

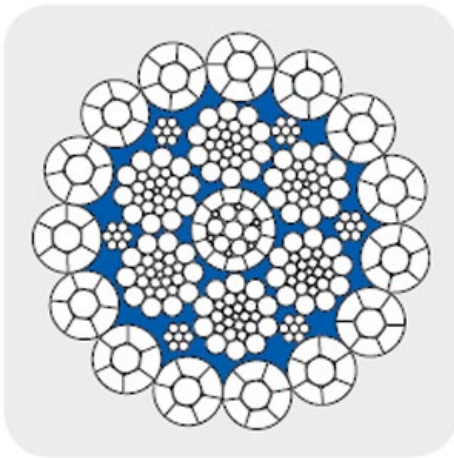
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Properties

Very strong rotation - resistance
Suitable rope for high lifting Tower crane
High structural stability
Extremely high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of which drum and sheave
Excellent life time
Prevents abrasion & breaking among internal wires
Extremely reduced internal stress
Plastic layer between the core and the outer strands

• **PowerAct 28DP**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		19.4	20.8	0.97
14.3	9/16	20.2	21.7	1.01
15		22.2	23.9	1.12
16	5/8	25.3	27.1	1.27
17.5	11/16	30.2	32.5	1.52
18		32.0	34.4	1.61
19	3/4	35.6	38.3	1.79
20		39.5	42.4	1.98
21	13/16	43.5	46.8	2.19
22		47.8	51.3	2.40
22.2	7/8	48.8	52.4	2.45
24	15/16	56.9	61.1	2.86
25		61.7	66.3	3.10
25.4	1	63.7	68.4	3.20
26	1-1/16	66.7	71.7	3.35
28		77.4	83.1	3.89



Product name : PowerAct 28P

Explanation of products :

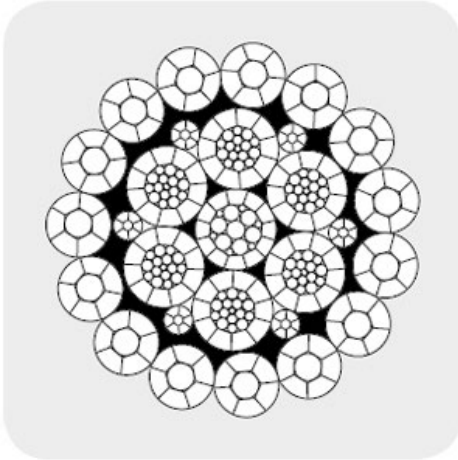
PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Very strong rotation - resistance
Suitable rope for high lifting Tower crane
High structural stability
Extremely high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of which drum and sheave
Excellent life time
Prevents abrasion & breaking among internal wires
Extremely reduced internal stress
Plastic layer between the core and the outer strands

• **PowerAct 28P**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.6	19.8	0.94
14.3	9/16	19.4	20.7	0.98
15		21.4	22.7	1.08
16	5/8	24.3	25.9	1.23
17.5	11/16	29.1	30.9	1.47
18		30.7	32.7	1.55
19	3/4	34.3	36.5	1.73
20		38.0	40.4	1.92
21	13/16	41.9	44.6	2.12
22		45.9	48.9	2.32
22.2	7/8	46.9	49.9	2.37
24	15/16	54.7	58.2	2.76
25		59.3	63.1	3.00
25.4	1	61.2	65.2	3.09
26	1-1/16	64.2	68.3	3.24
28		74.4	79.2	3.76



Product name : PowerAct 28D

Explanation of products :

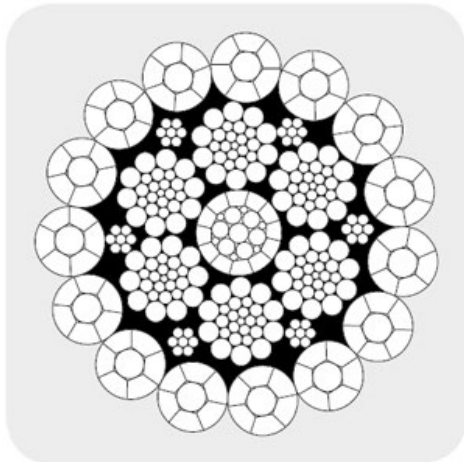
PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Very strong rotation - resistance
Suitable rope for high lifting Tower crane
High structural stability
Extremely high breaking load
Strong against abrasion
Excellent resistance to deformation
Extended life of which drum and sheave
Excellent life time

· 파워액트 28D

공칭경		최소절단하중 (TON)		단위중량
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		19.4	20.8	0.97
14.3	9/16	20.2	21.7	1.01
15		22.2	23.9	1.12
16	5/8	25.3	27.1	1.27
17.5	11/16	30.2	32.5	1.52
18		32.0	34.4	1.61
19	3/4	35.6	38.3	1.79
20		39.5	42.4	1.98
21	13/16	43.5	46.8	2.19
22		47.8	51.3	2.40
22.2	7/8	48.8	52.4	2.45
24	15/16	56.9	61.1	2.86
25		61.7	66.3	3.10
25.4	1	63.7	68.4	3.20
26	1-1/16	66.7	71.7	3.35
28		77.4	83.1	3.89



Product name : PowerAct 28

Explanation of products :

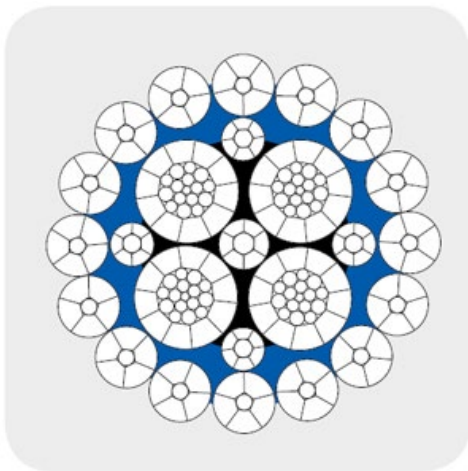
PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Very strong rotation - resistance.
Suitable rope for high lifting Tower crane.
High structural stability.
Extremely high breaking load.
Strong against abrasion.
Excellent resistance to deformation.
Extended life of which drum and sheave.
Excellent life time.

• **PowerAct 28**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.6	19.8	0.94
14.3	9/16	19.4	20.7	0.98
15		21.4	22.7	1.08
16	5/8	24.3	25.9	1.23
17.5	11/16	29.1	30.9	1.47
18		30.7	32.7	1.55
19	3/4	34.3	36.5	1.73
20		38.0	40.4	1.92
21	13/16	41.9	44.6	2.12
22		45.9	48.9	2.32
22.2	7/8	46.9	49.9	2.37
24	15/16	54.7	58.2	2.76
25		59.3	63.1	3.00
25.4	1	61.2	65.2	3.09
26	1-1/16	64.2	68.3	3.24
28		74.4	79.2	3.76



Product name : PowerAct 25DP

Explanation of products :

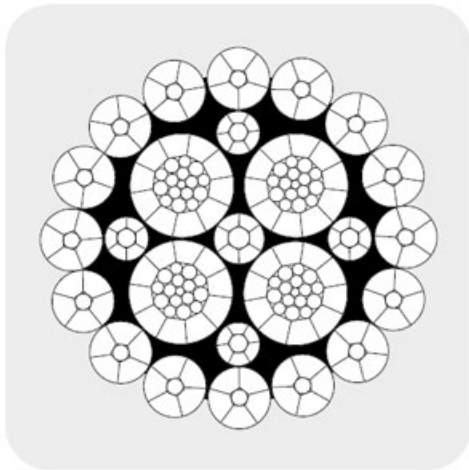
PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Very strong rotation - resistance
High structural stability
Very high breaking load
Prevents abrasion & breaking among internal wires
Excellent resistance to deformation
Extremely reduces internal stress
Extended life of which drum and sheave
Plastic layer between the core and the outer strands
Suitable rope for high lifting Tower crane
Excellent life time

• **PowerAct 25DP**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG / M
14		18.7	20.2	1.00
14.3	9/16"	19.5	21.1	1.04
15		21.5	23.2	1.16
16	5/8	24.4	26.4	1.33
17.5	11/16	29.2	31.5	1.59
18		30.9	33.4	1.68
19	3/4	34.4	37.2	1.85
20		38.2	41.2	2.08
21	13/16	42.1	45.4	2.25
22		46.2	49.9	2.49
22.2	7/8	47.1	50.9	2.54
24	15/16	55.0	59.3	2.90
25		59.6	64.4	3.15



Product name : PowerAct 25D

Explanation of products :

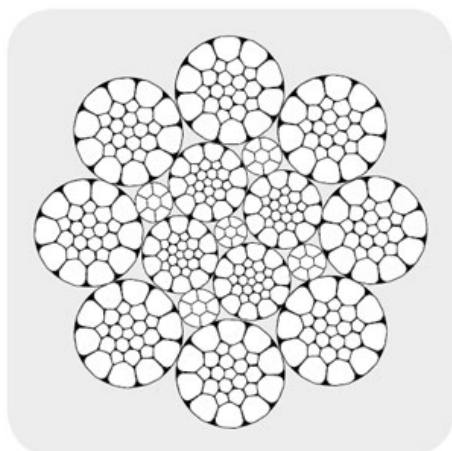
PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Very strong rotation - resistance
High structural stability
Very high breaking load
Excellent resistance to deformation
Extended life of which drum and sheave
Suitable rope for high lifting Tower crane
Excellent life time

• **PowerAct 25D**

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 KG/MM ²	220 KG/MM ²	
MM	INCH	1960 N/MM ²	2160 N/MM ²	KG/M
14		18.7	20.2	1.00
14.3	9/16"	19.5	21.1	1.04
15		21.5	23.2	1.16
16	5/8	24.4	26.4	1.33
17.5	11/16	29.2	31.5	1.59
18		30.9	33.4	1.68
19	3/4	34.4	37.2	1.85
20		38.2	41.2	2.08
21	13/16	42.1	45.4	2.25
22		46.2	49.9	2.49
22.2	7/8	47.1	50.9	2.54
24	15/16	55.0	59.3	2.90
25		59.6	64.4	3.15



Product name : PowerAct 17D

Explanation of products :

PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Extremely high breaking load (more than 13% higher Powerflex8 at 220 grade)

High structural stability

Excellent life time

Strong against abrasion

Very high breaking load

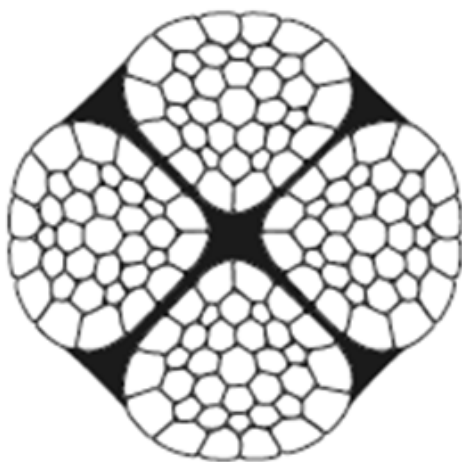
Excellent resistance to deformation

Extended life of which drum and sheave

Suitable rope for Special crane

• **PowerAct 17D**

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 KG/MM ²	200 KG/MM ²	220 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	2160 N/MM ²	KG/M
14		17.2	19.1	21.1	0.98
14.3	9/16	17.9	19.9	22.0	1.02
15		19.7	21.9	24.2	1.13
16	5/8	22.5	24.9	27.6	1.28
17.5	11/16	26.9	29.8	33.0	1.53
18		28.4	31.6	34.9	1.62
19	3/4	31.7	35.2	38.9	1.81
20		35.1	39.0	43.1	2.00
22	3/5	42.4	47.2	52.1	2.42
24		50.5	56.1	62.0	2.88
25	3/6	54.8	60.9	67.3	3.13
26		59.3	65.9	72.8	3.38
28	3/7	68.8	76.4	84.4	3.92



Product name : PowerAct 4

Explanation of products :

PowerAct Rope is used for Crane. Very strong rotation - resistance and High structural stability are what makes PowerAct Rope special. PowerAct Rope is suitable rope for high lifting Tower crane strong against abrasion and Excellent resistance to deformation.

Properties

Extremely high breaking load (more than 13% higher Powerflex8 at 220 grade)

High structural stability

Excellent life time

Strong against abrasion

Very high breaking load

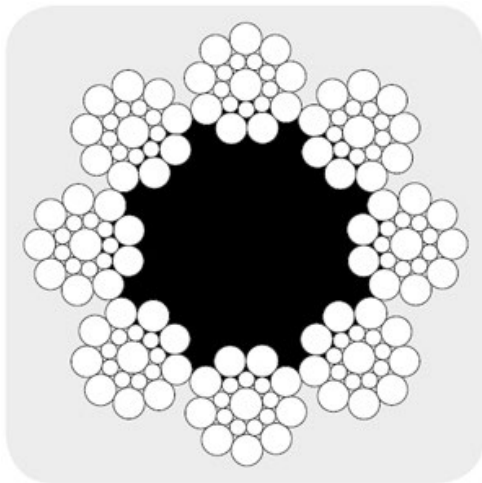
Excellent resistance to deformation

Extended life of which drum and sheave

Suitable rope for Special crane

• Poweract 4

Nominal Dia		Minimum Breaking Load (TON)		Approx Weight
		180 KG/MM ²	200 KG/MM ²	
MM	INCH	1770 N/MM ²	1960 N/MM ²	KG/M
16	5/8	20.6	22.5	1.20
18	11/16	26.1	28.5	1.52
19	3/4	29.1	31.7	1.69
20		32.2	35.2	1.88
22		39.0	42.5	2.27
24	15/16	46.4	50.6	2.70
26		54.5	59.4	3.17
28		63.2	68.9	3.68
30	1-3/16	72.5	79.1	4.22
32		82.5	90	4.81



Product name : Elevator Rope 8xS(19)+FC

Explanation of products :

Elevator rope manufactured by DSR WIRE CORP has following features such as equality of the rope diameter, properly lubricated core, Non structural elongation by pre-tension procedure and no broken wire during usage by using the high quality wire.

Properties

Equality of the rope diameter is manufactured.

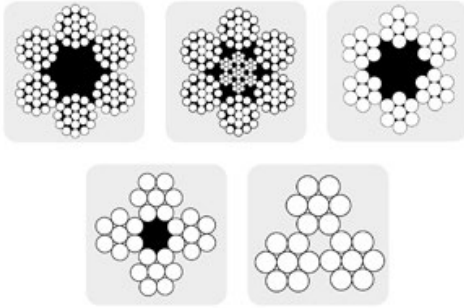
Properly lubricated core

Non structural elongation by pre-tension procedure

No broken wire during usage by using the high quality wire

• **Elevator Rope 8xS(19)+FC**

Nominal Dia.	Minimum Breaking Load (Metric Ton)			Approx Weight
	135 KG/MM ²	150 KG/MM ²	165 KG/MM ²	
MM	(1330 N/MM ²)	(1470 N/MM ²)	(1620 N/MM ²)	KG/M
8	2.7	2.9	3.2	0.22
10	4.2	4.5	4.9	0.35
11.2	5.3	5.6	6.2	0.43
12	6.0	6.5	7.1	0.50
12.5	6.5	7.0	7.7	0.54
13	7.1	7.6	8.4	0.59
14	8.2	8.8	9.7	0.68
16	10.7	11.5	12.7	0.89



Product name : General Rope

Explanation of products :

General Rope is used for general purpose such as Sling, Crane, Shipping, Lashing, Fishing, Bundling, Guard Cable and Zin-Coated Wire. We can provide general Rope product for optimizing customer's purpose.

Properties

General Rope : [6x12+7FC], [6x15+FC]

General Rope : [6x24+7FC]

General Rope : [6x19+FC], [6x19+IWRC]

General Rope : [6x37+FC], [6x37+IWRC]

General Rope : [6x7+FC]

General Rope : [7x7x7], [7x7x(S)19]

General Rope : [3x7]

General Rope : [4x7+FC]

• 6X19+FC, 6X19+IWRC

Nominal Dia.	Minimum Breaking Load(Metric Ton) (TON)					Approx Weight	
	165 KG/MM²		180 KG/MM²		200 KG/MM²		
	1620 N/MM²		1770 N/MM²		1960 N/MM²	KG/M	
MM	FC	IWRC	FC	IWRC	IWRC	FC	IWRC
6	1.98	2.22	2.12	2.39	2.58	0.131	0.145
7	2.70	3.02	2.88	3.25	3.51	0.178	0.197
8	3.53	3.93	3.76	4.26	4.67	0.233	0.258
9	4.46	4.95	4.76	5.50	5.94	0.295	0.328
10	5.51	6.10	5.88	6.65	7.18	0.364	0.404
11	6.67	7.39	7.11	8.05	8.69	0.440	0.490
12	7.93	8.79	8.46	9.58	10.4	0.524	0.580
13	9.31	10.32	9.93	11.24	12.1	0.615	0.684
14	10.8	12.0	11.5	13.2	14.2	0.713	0.793
16	14.1	15.6	15.0	17.1	18.4	0.932	1.04
18	17.8	19.8	19.0	21.5	23.2	1.18	1.31
20	22.0	24.4	23.5	26.6	28.7	1.46	1.62
22	26.7	29.1	28.4	32.2	34.8	1.76	1.95
24	31.7	35.2	33.8	38.3	41.3	2.10	2.33
26	37.2	41.3	39.7	45.0	48.5	2.46	2.74
28	43.2	47.9	46.1	52.1	56.3	2.85	3.16
30	49.6	55.0	52.9	60.0	64.8	3.28	3.65
32	56.4	62.5	60.2	68.0	73.7	3.73	4.15
34	63.7	70.6	67.9	76.9	83.0	4.21	4.68
36	71.4	79.1	76.1	86.2	93.1	4.72	5.25
38	79.6	88.2	84.8	96.1	103	5.26	5.85
40	88.2	97.7	94.0	106	115	5.82	6.48
42	97.2	108	104	117	-	6.42	7.14
44	107	118	114	129	-	7.05	7.84
46	117	129	124	141	-	7.70	8.57
48	127	141	135	153	-	8.39	9.33
50	138	153	147	166	-	9.10	10.1
52	149	165	159	180	-	9.84	11.0
54	161	178	171	194	-	10.6	11.8
56	173	192	184	209	-	11.4	12.7
58	185	205	198	224	-	12.2	13.6
60	198	220	212	240	-	13.1	14.6
62	212	235	226	256	-	14.0	15.6
64	226	250	241	273	-	14.9	16.6
66	240	266	256	290	-	15.9	17.6

• 6X7+FC

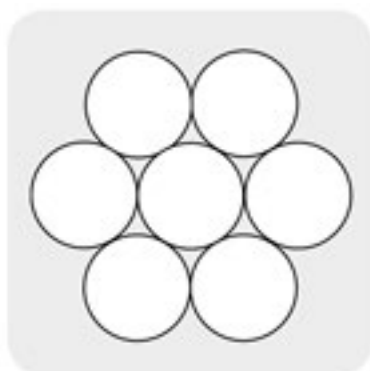
Nominal Dia.	Minimum Breaking Load(Metric Ton) (TON)		Approx Weight
	165 KG/MM²	180 KG/MM²	
	1620 N/MM²	1770 N/MM²	KG/M
6	2.19	2.39	0.133
7	2.98	3.25	0.181
8	3.88	4.24	0.237
9	4.91	5.37	0.300
10	6.06	6.62	0.371
11	7.34	8.02	0.448
12	8.74	9.58	0.535
13	10.25	11.25	0.627
14	11.9	13.0	0.727
16	15.5	17.0	0.950
18	19.6	21.5	1.20
20	24.3	26.5	1.48
22	29.3	32.0	1.79
24	34.9	38.2	2.14
26	41.0	44.8	2.51
28	47.5	51.9	2.91
30	54.6	59.6	3.34
32	62.0	67.8	3.80
34	70.0	76.6	4.29
36	78.5	85.9	4.81
38	87.5	95.7	5.36
40	96.9	106	5.94

• 4X7+FC

Nominal Dia.		Minimum Breaking Load(Metric Ton) (TON)			Approx Weight
		G	A	B	
		150 KG/MM²	165 KG/MM²	180 KG/MM²	KG/M
MM	INCH				
8	5/16	3.64	4.00	4.35	0.24
9	3/8	4.57	5.02	5.48	0.30
10	-	5.66	6.23	6.79	0.37
11.2	7/16	7.10	7.80	8.52	0.47
12	-	8.15	8.97	9.80	0.54
12.5	1/2	8.85	9.74	10.60	0.58
14	9/16	11.10	12.20	13.30	0.73
16	5/8	14.50	15.90	17.40	0.95
18	11/16	18.30	20.20	21.90	1.20
20	13/16	22.40	24.60	26.90	1.48
22	7/8	27.40	30.20	33.00	1.80
24	15/16	32.60	35.80	39.20	2.14

• 3X7

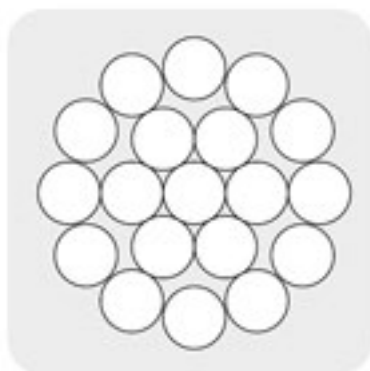
Nominal Dia.		Minimum Breaking Load(Metric Ton) (TON)	Approx Weight
MM	INCH	TON	KG/M
10	-	4.94	0.340
12	-	7.11	0.489
14	-	9.68	0.665
16	5/8	12.60	0.869
18	11/16	16.00	1.100



Product name : Zinc-Coated Steel Wire Strands

Explanation of products :

1) Used for electric power, communication, processing support line, underground support wire and messenger wire. 2) S-S cable is used as support wire of telephone communication cable 3) It is also used as support wire of internet communication cable. 4) It is also used for fish fraps 5) It is also used for out-casing which performs redrawing after plating



• Zinc-Coated Steel Wire Strands [ASTM A 475]

Nominal Diameter of Strand in.	Number of Wires in Strands	Nominal Diameter of Coated Wires in Strand, in. (MM)	Minimum Breaking Strength of Strand, LBS (KN)			Approximate Weight of Strand, lb/1000ft (kg/304.8m)
			Utilities Grade	High Strength Grade	Extra-High Strength Grade	
1/4 (6.35)	7	0.080 (2.03)	-	4,750 (21.129)	6,650 (29.581)	121 (55)
9/32 (7.14)	7	0.093 (2.36)	4,600 (20.462)	6,400 (28.469)	8,950 (39.812)	164 (74)
5/16 (7.94)	7	0.104 (2.64)	-	8,000 (35.586)	11,200 (49.820)	205 (93)
5/16 (7.94)	7	0.109 (2.77)	6,000 (26.689)	-	-	225 (102)
3/8 (9.52)	7	0.120 (3.05)	11,500 (51.155)	10,800 (48.040)	15,400 (68.503)	273 (124)
7/16 (11.11)	7	0.145 (3.68)	18,000 (80.068)	14,500 (64.499)	20,800 (92.523)	399 (181)
1/2 (12.70)	7	0.165 (4.19)	25,000 (111.206)	18,800 (83.627)	26,900 (119.657)	517 (234)
1/2 (12.70)	19	0.100 (2.54)	-	19,100 (84.961)	26,700 (118.768)	504 (229)
9/16 (14.29)	7	0.188 (4.78)	-	24,500 (108.981)	35,000 (155.688)	671 (304)
9/16 (14.29)	19	0.113 (2.87)	-	24,100 (107.202)	33,700 (149.905)	637 (289)
5/8 (15.88)	7	0.207 (5.26)	-	29,600 (131.667)	42,400 (188.605)	813 (369)
5/8 (15.88)	19	0.125 (3.18)	-	28,100 (124.995)	40,200 (178.819)	796 (361)
3/4 (19.05)	19	0.150 (3.81)	-	40,800 (181.487)	58,300 (259.331)	1,155 (524)
7/8 (22.22)	19	0.177 (4.50)	-	55,800 (248.211)	79,700 (354.523)	1,581 (717)
1 (25.40)	19	0.200 (5.08)	-	73,200 (325.610)	104,500 (464.839)	2,073 (940)