

WIRE ROPE



New paradigm for your business

DSR in association with customers

Company Working with Customers

DSR is committed to our customers' needs, and we will always place our customers' considerations before our own. Our customer care and manufacturing divisions have been structured to honor this commitment, bringing together best systems and quality products for customer satisfaction. Our goal is to keep our customers satisfied products and services.

Quality Assurance System

DSR is striving to reach the perfection of the quality. To achieve this goal, we have in-place quality assurance system, under which we reach the requirements of ISO 9001 : 2008, TS16949 : 2009, CE, KS, JIS, Lloyd's, ABS, DNV, NK, CCS, API, BV certificates and more.

Total Solutions! - DSR

We produce and sales in whole categories of rope and wire industry(steel, stainless, fiber). With us, you don't have to waste your time to find what you want. Also we are providing the fastest business services and after services to meet the satisfaction of your convenience.

Maintaining perfect product quality system

DSR products quality is still on improving, by running individual R&D facilities. We have got certification of ISO 9001: 2008, TS16949 : 2009, permission of marking JIS and CE mark, admission of factory from classifications, such as KR, LLOYD'S, ABS, DNV, BV, CCS, API, GL.

Pursuing endless innovation

DSR has founded technical laboratory individually, to develop our unique Fiber, High carbon steel wire & wire rope, and also for Stainless wire & wire rope. Through this innovative mind, we create and guarantee our technology of wire rope and stainless steel wire.(KR, KS, ISO 9001: 2008, TS16949 : 2009 Certificated)

Leading the industry

With 40years long carrier, DSR posses high quality certification in fiber, wire and wire rope industry, such as TS16949 : 2009, ISO 9001:2008, KS, KR, API, LLOYD'S, ABS, BV, DNV, CCS, GL. By developing special items, we always considerate to meet customer's satisfaction, and drawing DSR into world wide and into your mind.

You can meet DSR over the world

Items from DSR have been widely recognized so that you can meet DSR in hundreds of country through the five oceans and the six continents as we encourage our brand power.

*Combining the world's best wire, rope and sling manufacturer with a happy and prosperous customer base will create a bright future for us all.
All at DSR look forward to working with you, and trust that we can serve you well.*

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			18 × 7, 19 × 7 32

PowerMax Rope

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.

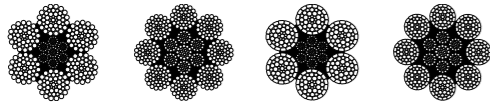
Best quality of component wire rope and excellent life time

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.

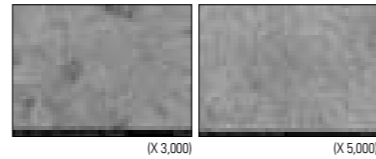
High structural stability

Accumulated experience for Lubrication and Rope Construction.

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



VERY FINE MICROSTRUCTURE PHOTO



Nominal Dia.		Offshore Powerlift 6, Powerlift 8 (Metric Ton)					Approximate Weight 6×ROPE	Approximate Weight 8×ROPE	Offshore Powerflex 6, Powerflex 8 (Metric Ton)					Approximate Weight 6×ROPE	Approximate 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	12.8	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	17.7	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	-	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	-	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	-	-	-	-	-	-	-

PowerAct Rope

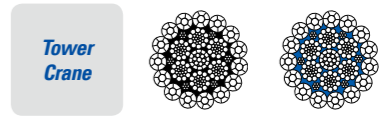
POWERACT 28, 28P

PowerAct 28

- 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 28P

- Very strong rotation - resistance
- Suitable rope for high lifting Tower crane
- High structural stability
- Extremely high breaking load
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- 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



Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
mm	inch	200 Kg/mm ² (1960 N/mm ²)	220 Kg/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

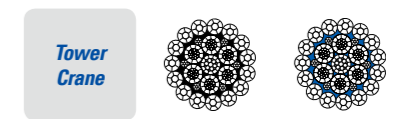
POWERACT 28D, 28DP

PowerAct 28D

- 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 28DP

- 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



Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
mm	inch	200 Kg/mm ² (1960 N/mm ²)	220 Kg/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

POWERACT 29, 29P

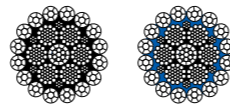
PowerAct 29

- 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 29P

- 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

Tower Crane



Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight Kg/m
mm	inch	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
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

POWERACT 25D, 25DP

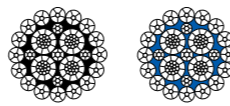
PowerAct 25D

- 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 25DP

- 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

Tower Crane



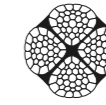
Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight Kg/m
mm	inch	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
14		18.7	20.2	1.00
14.3	9/16	19.5	21.1	1.04
15		21.5	23.2	1.16
16	5/8	24.4	26.4	1.33
17.5	11/16	29.2	31.5	1.59
18		30.9	33.4	1.68
19	3/4	34.4	37.2	1.85
20		38.2	41.2	2.08
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

POWERACT 4

PowerAct 4

- Non-Rotating Characteristics
- Excellent Deforming Resistance
- Longer Fatigue Life
- Good Flexibility with fiber cores
- Strong Against Abrasion
- Excellent Life Time

Deck Crane



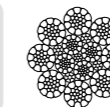
Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	
16	5/8	20.6	22.5	1.20
18	11/16	26.1	28.5	1.52
19	3/4	29.1	31.7	1.69
20		32.2	35.2	1.88
22		39.0	42.5	2.27
24	15/16	46.4	50.6	2.70
26		54.5	59.4	3.17
28		63.2	68.9	3.68
30	1-3/16	72.5	79.1	4.22
32		82.5	90.0	4.81

POWERACT 17D

PowerAct 17D

- 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

Special Crane



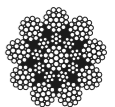
Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
14		17.2	19.1	21.1	0.98
14.3	9/16	17.9	19.9	22.0	1.02
15		19.7	21.9	24.2	1.13
16	5/8	22.5	24.9	27.6	1.28
17.5	11/16	26.9	29.8	33.0	1.53
18		28.4	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		42.4	47.2	52.1	2.42
24	15/16	50.5	56.1	62.0	2.88
25		54.8	60.9	67.3	3.13
26	1-1/16	59.3	65.9	72.8	3.38
28		68.8	76.4	84.4	3.92

POWERACT 19

PowerAct 19

- Rotation - Resistance
- High Structural Stability
- High Breaking Load
- Excellent Life Time

Tower Crane



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
16	5/8	19.3	21.3	22.7	1.11
17.5	11/16	23.1	25.5	27.1	1.33
18		24.4	27.0	28.7	1.41
19	3/4	27.2	30.1	32.0	1.57
20		30.1	33.3	35.4	1.74
22		36.4	40.3	42.9	2.10
24		43.4	48.0	51.0	2.50
25		47.1	52.1	55.4	2.72
26	1-1/16	50.9	56.3	59.9	2.94
28		59.0	65.3	69.4	3.41
28.6	1-1/8	61.6	68.2	72.5	3.56
30	1-3/16	67.8	75.0	79.7	3.91



DSR promises to keep improving customer service and delivery standards.

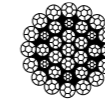
Powerflex Rope

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

- 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

Tower Crane



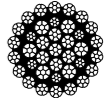
Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight Kg/m
mm	inch	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
14		18.3	19.6	1.00
14.3	9/16	19.1	20.4	1.04
15		21.0	22.5	1.15
16	5/8	23.9	25.6	1.31
17.5	11/16	28.6	30.6	1.56
18		30.3	32.4	1.65
19	3/4	33.7	36.1	1.84
20		37.3	40.0	2.04
21	13/16	41.2	44.1	2.25
22		45.2	48.4	2.47
22.2	7/8	46.1	49.4	2.52
24	15/16	53.8	57.6	2.94
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
38		134.8	144.4	7.37

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

POWERFLEX 37, 37L

- 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

Tower Crane



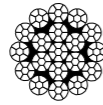
Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight Kg/m
mm	inch	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
14		18.2	19.5	1.00
14.3	9/16	19.0	20.4	1.05
15		20.9	22.4	1.15
16	5/8	23.8	25.5	1.31
17.5	11/16	28.5	30.5	1.57
18		30.2	32.3	1.66
19	3/4	33.6	36.0	1.85
20		37.2	39.9	2.05
21	13/16	41.0	44.0	2.26
22		45.0	48.3	2.48
22.2	7/8	46.0	49.2	2.53
24	15/16	53.6	57.4	2.95
25		58.2	62.3	3.20
25.4	1	60.0	64.3	3.30
26	1-1/16	62.9	67.4	3.46
28		73.0	78.2	4.02
28.6	1-1/8	76.1	81.5	4.19
30	1-3/16	83.8	89.7	4.61
31.8	1-1/4	94.1	100.8	5.18
32		95.3	102.1	5.25
34		107.6	115.2	5.92
35	1-3/8	114.0	122.1	6.28
36		120.6	129.2	6.64
38		134.4	144.0	7.40

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

POWERFLEX 19

- 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

Tower Crane

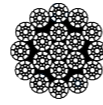


Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
mm	inch				Kg/m
9.53	3/8	7.3	7.9	8.8	0.44
10		8.0	8.7	9.7	0.48
11.2	7/16	10.1	10.9	12.1	0.60
12		11.6	12.6	13.9	0.69
12.7	1/2	13.0	14.1	15.6	0.78
13		13.6	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

POWERFLEX M19

- 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

Tower Crane



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
mm	inch				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

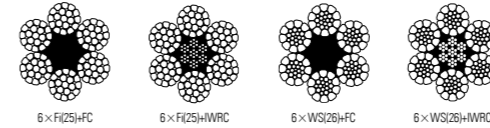


POWERFLEX 6

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

6 × 19 Class Rope

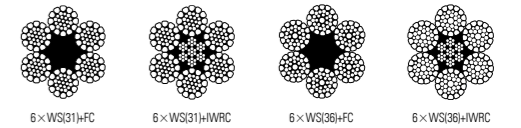
Crane Fishing Mining



Nominal Dia.		Minimum Breaking Load (Metric Ton)						Approx Weight
		FC Core			Steel Core			
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	Approx Weight Kg/m	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/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	166.6	-	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

6 × 37 Class Rope

Crane Fishing Mining

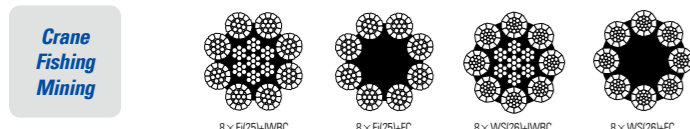


Nominal Dia.		Minimum Breaking Load (Metric Ton)						Approx Weight
		FC Core			Steel Core			
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	Approx Weight Kg/m	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	Kg/m
11.2	7/16	8.9	9.3	0.53	9.9	10.7	-	0.58
12		10.2	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

POWERFLEX 8

- 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

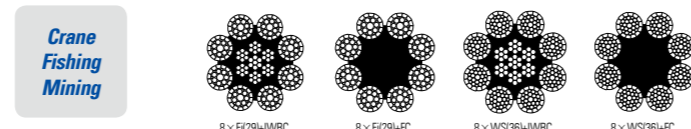
8 × 19 Class Rope



Nominal Dia.	Minimum Breaking Load (Metric Ton)							
	FC Core		Approx Weight	Steel Core			Approx Weight	
	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)		
mm	inch	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
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	151.5	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	-	9.02
46		147.4	-	8.53	170.6	187.8	-	9.52
48		160.5	-	9.29	185.7	204.5	-	10.37

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

8 × 37 Class Rope



Nominal Dia.	Minimum Breaking Load (Metric Ton)							
	FC Core		Approx Weight	Steel Core			Approx Weight	
	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/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

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

PowerTec

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

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

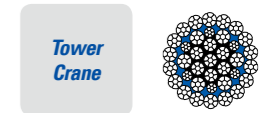


Nominal Dia.	Minimum Breaking Load (Metric Ton)		Approx Weight	
	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)		
mm	inch	Kg/m	Kg/m	
14		18.6	19.9	1.02
14.3	9/16	19.4	20.8	1.06
15		21.3	22.8	1.17
16	5/8	24.3	26.0	1.33
17.5	11/16	29.0	31.1	1.59
18		30.7	32.9	1.68
19	3/4	34.2	36.6	1.87
20		37.9	40.6	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
26	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
38		136.8	146.6	7.48

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

POWERTEC 37, 37L

- 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



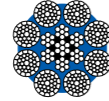
Nominal Dia.	Minimum Breaking Load (Metric Ton)		Approx Weight	
	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)		
mm	inch	Kg/m	Kg/m	
14		18.5	19.8	1.02
14.3	9/16	19.3	20.7	1.06
15		21.2	22.7	1.17
16	5/8	24.2	25.9	1.33
17.5	11/16	28.9	30.9	1.59
18		30.6	32.7	1.69
19	3/4	34.1	36.5	1.88
20		37.8	40.4	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
38		136.3	145.8	7.51

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

POWERTEC 8

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

Special Cranes

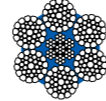


Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
22		38.8	42.0	43.9	2.30
22.2	7/8	39.6	42.9	44.8	2.35
24	15/16	46.2	50.0	52.3	2.74
25		50.1	54.3	56.7	2.97
25.4	1	51.7	56.0	58.6	3.07
26	1-1/16	54.2	58.7	61.4	3.21
28		62.8	68.1	71.2	3.73
28.6	1-1/8	65.6	71.1	74.3	3.89
30	1-3/16	72.1	78.2	81.7	4.28
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

POWERTEC 6

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

Special Cranes



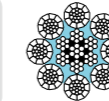
Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
22		34.0	36.9	40.0	2.18
22.2	7/8	34.7	37.6	40.8	2.22
24	15/16	40.4	43.9	47.6	2.59
25		43.9	47.6	51.6	2.81
25.4	1	45.3	49.1	53.3	2.90
26	1-1/16	47.4	51.5	55.8	3.04
28		55.0	59.7	64.7	3.53
28.6	1-1/8	57.4	62.3	67.5	3.68
30	1-3/16	63.2	68.6	74.3	4.05
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

Powerfil Rope

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 8

Harbor Crane



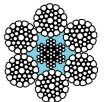
Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
22		39.2	43.2	46.1	2.17
24		46.7	51.4	54.8	2.58
25		50.6	55.8	59.5	2.80
26		54.8	60.3	64.3	3.03
28		63.5	69.9	74.6	3.51
28.6	1-1/8	66.3	73.0	77.8	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

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

POWERFIL 6

- 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 wire rope inside damage
- Excellent life time

Special Cranes



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
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		80.8	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
38.1	1-1/2	114.0	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

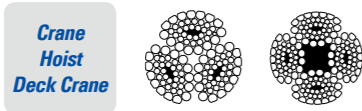


SAS Rope

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.

SAS 3, 4

- Superior non-rotating characteristics
- Excellent deforming resistance
- Longer fatigue life
- High flexibility with fiber cores in each strand
- Strong against abrasion
- Excellent life time



Nominal Dia.		Minimum Breaking Load (Metric Ton)					
		SAS 3×39		Approx Weight	SAS 4×39		Approx Weight
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	
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		13.7	14.9	0.80	12.8	13.9	0.81
14.3	9/16	14.3	15.5	0.83	13.4	14.5	0.84
15		15.8	17.1	0.92	14.7	16.0	0.93
16	5/8	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	15/16	40.4	43.7	2.35	37.7	40.9	2.37
25		43.8	47.4	2.55	40.9	44.3	2.57
25.4	1	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	1-3/16	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	1-3/8	85.8	93.0	4.99	80.2	86.9	5.04
36		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



Flextec Rope

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.

Improved Service Life For crane usage, because of the plastic filled in the Flextec, it can absorb shock and reduce the peak loading of wire rope under high dynamic loadings. 2 times service life can be achieved compared to conventional ropes.

Flextec 35, 35L

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



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/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
22.2	7/8	35.0	41.7	45.2	2.25
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	1-1/4	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
38		102.4	121.9	131.6	6.57

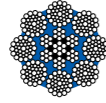
☐ Available upon request (Operation in poor condition is not recommendable)



Flextec 8

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

Tower Crane



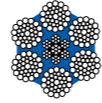
Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
mm	inch				Kg/m
22		33.6	37.4	40.5	2.15
24		40.0	44.5	48.1	2.56
25		43.4	48.3	52.2	2.77
26	1-1/16	46.9	52.3	56.5	3.00
28		54.4	60.6	65.5	3.48
28.6	1-1/8	56.7	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)

Flextec 6

- High fatigue resistance
- Very high breaking load
- High structural stability
- Prevents abrasion & break among internal wires
- Excellent resistance to deformation
- Extremely reduces internal stress
- Excellent life time

Special Cranes



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
mm	inch				Kg/m
18		22.7	24.7	26.8	1.46
19	3/4	25.3	27.5	29.8	1.62
20		28.1	30.5	33.0	1.80
21	13/16	30.9	33.6	36.4	1.98
22		34.0	36.9	40.0	2.18
22.2	7/8	34.7	37.6	40.8	2.22
24	15/16	40.4	43.9	47.6	2.59
25		43.9	47.6	51.6	2.81
25.4	1	45.3	49.1	53.3	2.90
26	1-1/16	47.4	51.5	55.8	3.04
28		55.0	59.7	64.7	3.53
28.6	1-1/8	57.4	62.3	67.5	3.68
30	1-3/16	63.2	68.6	74.3	4.05
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

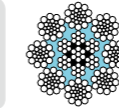
Flexfil Rope

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.

Increased Grease Capacity Compared to conventional ropes which contain 2-3% grease, Flexfil rope is capable of containing about 20% more grease(2.4-3.6%) by filling specialized fiber inside and this grease flows through the strands during service to make Flexfil rope lubricated. For this reason, Flexfil rope can perform 30% better in durability and 30-50% better in service life than general steel wire ropes.

Flexfil 8

Special Cranes



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
mm	inch				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

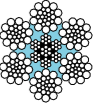
☐ Available upon request (Operation in poor condition is not recommendable)



Flexfil 6

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

Special Cranes



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
mm	inch				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
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	1-3/4	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	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

Powerlift Rope

POWERLIFT 35, 35L

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

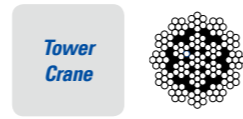


Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
14		13.7	16.3	17.9	0.87
14.3	9/16	14.3	17.0	18.5	0.91
15		15.7	18.7	20.3	1.00
16	5/8	17.9	21.3	23.0	1.14
17.5	11/16	21.4	25.5	27.6	1.36
18		22.6	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
38		100.9	120.1	129.7	6.41

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

POWERLIFT 19

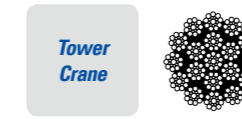
- Rotation - resistance
- High structural stability
- High breaking load
- Excellent life time



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
6		2.4	2.6	2.8	0.15
6.35	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

POWERLIFT M19

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

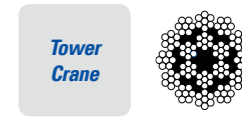


Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
14		12.6	13.7	15.0	0.83
14.3	9/16	13.1	14.3	15.7	0.87
15		14.5	15.7	17.2	0.96
16	5/8	16.5	17.9	19.6	1.09
17.5	11/16	19.7	21.4	23.5	1.30
18		20.8	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	7/8	31.1	33.8	37.1	2.06
22.2	15/16	31.8	34.5	37.8	2.10
24		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



POWERLIFT 18

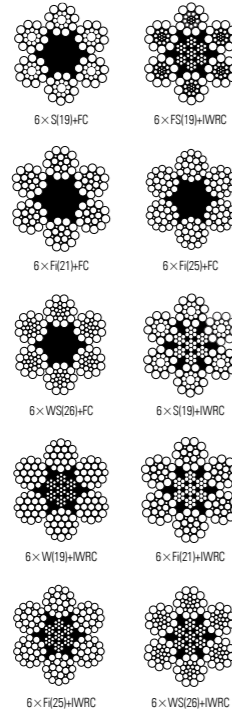
- Rotation - resistance
- High structural stability
- High breaking load
- Excellent life time



Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)	
6		2.2	2.4	2.6	0.15
6.35	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

POWERLIFT 6

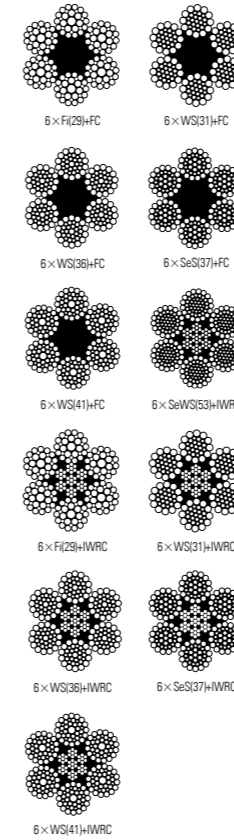
Crane / Logging /
Mining / Drilling /
Fishing / Marine /
Oil Field / Bridge /
Cableway /
General Engineering



6 × 19 Class Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)						Approx Weight
		FC Core		Approx Weight	Steel Core			
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)		Kg/m	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)
6		2.1	2.3	0.13	2.4	2.7	2.9	0.16
6.35	1/4	2.5	2.8	0.16	2.9	3.2	3.5	0.18
8	5/16	3.8	4.1	0.23	4.3	4.8	5.2	0.28
9		4.8	5.2	0.29	5.4	6.1	6.6	0.35
9.53	3/8	5.4	5.9	0.33	6.1	6.8	7.4	0.39
10		5.9	6.5	0.36	6.7	7.5	8.1	0.43
11.2	7/16	7.4	8.1	0.46	8.4	9.4	10.2	0.54
12		8.5	9.3	0.52	9.7	10.8	11.7	0.62
12.7	1/2	9.5	10.5	0.59	10.8	12.1	13.1	0.69
13		10.0	10.9	0.61	11.4	12.7	13.7	0.73
14		11.6	12.7	0.71	13.2	14.7	15.9	0.84
14.3	9/16	12.1	13.2	0.74	13.7	15.3	16.6	0.88
15		13.3	14.6	0.82	15.1	16.9	18.3	0.97
16	5/8	15.1	16.6	0.93	17.2	19.2	20.8	1.10
17.5	11/16	18.1	19.8	1.11	20.6	23.0	24.9	1.32
18		19.2	21.0	1.18	21.8	24.3	26.3	1.40
19	3/4	21.4	23.4	1.31	24.3	27.1	29.3	1.55
20		23.7	25.9	1.46	26.9	30.0	32.5	1.72
21	13/16	26.1	28.6	1.60	29.6	33.1	35.8	1.90
22		28.6	31.4	1.76	32.5	36.3	39.3	2.08
22.2	7/8	29.2	31.9	1.79	33.1	37.0	40.2	2.12
24	15/16	34.1	37.3	2.10	38.7	43.2	46.8	2.48
25		37.0	40.5	2.27	42.0	46.9	50.8	2.69
25.4	1	38.2	41.8	2.35	43.4	48.4	52.4	2.78
26	1-1/16	40.0	43.8	2.46	45.4	50.7	55.0	2.91
28		46.4	50.8	2.85	52.7	58.8	63.7	3.38
28.6	1-1/8	48.4	53.0	2.98	55.0	61.3	66.5	3.52
30	1-3/16	53.3	58.3	3.28	60.5	67.5	73.2	3.88
31.8	1-1/4	59.8	65.5	3.68	68.0	75.8	82.2	4.35
32		60.6	66.3	3.73	68.8	76.8	83.2	4.41
34		68.4	74.9	4.21	77.7	86.7	94.0	4.98
35	1-3/8	72.5	79.4	4.46	82.3	91.9	99.6	5.27
36		76.7	84.0	4.72	87.1	97.2	105.4	5.58
38		85.4	93.6	5.25	97.1	108.3	117.4	6.22
38.1	1-1/2	85.9	94.1	5.28	97.6	108.9	118.0	6.25
40		94.7	103.7	5.82	107.6	120.0	130.1	6.89
42		104.4	114.3	6.42	118.6	132.3	-	7.60
44		114.5	125.4	7.04	130.1	145.2	-	8.34
44.5	1-3/4	116.9	128.0	7.19	132.8	148.2	-	8.51
46		125.2	137.1	7.70	142.2	158.7	-	9.11
48		136.3	149.3	8.38	154.9	172.8	-	9.92
50		147.9	162.0	9.10	168.1	187.5	-	10.76
50.8	2	152.7	167.2	9.39	173.5	193.5	-	11.11
52		160.0	175.2	9.84	181.8	202.8	-	11.64
54		172.5	188.9	10.61	196.0	218.7	-	12.56
56		185.5	203.2	11.41	210.8	235.2	-	13.50
57.2	2-1/4	193.6	212.0	11.91	219.9	245.4	-	14.09
58		199.0	218.0	12.24	226.1	252.3	-	14.48
60		213.0	233.3	13.10	242.0	270.0	-	15.50
63.5	2-1/2	238.6	-	14.67	271.1	302.4	-	17.36
66		257.7	-	15.85	292.8	326.7	-	18.76
68		273.6	-	16.83	310.8	346.8	-	19.91
70	2-3/4	289.9	-	17.83	329.4	-	-	21.10
72		306.7	-	18.86	348.5	-	-	22.32
74		324.0	-	19.93	368.1	-	-	23.58
76.2	3	343.5	-	21.13	390.3	-	-	25.00

Crane / Fishing /
Mining / Mooring /
Excavator / Anchor /
General Engineering



6 × 37 Class Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)						Approx Weight
		FC Core		Approx Weight	Steel Core			
mm	inch	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)		Kg/m	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)
6		2.2	2.4	0.13	2.5	2.7	3.0	0.16
6.35	1/4	2.6	2.9	0.16	2.9	3.2	3.5	0.19
8	5/16	3.9	4.3	0.24	4.4	4.9	5.3	0.28
9		4.9	5.4	0.30	5.6	6.2	6.7	0.36
9.53	3/8	5.5	6.1	0.34	6.3	6.9	7.5	0.40
10		6.0	6.7	0.37	6.9	7.6	8.2	0.44
11.2	7/16	7.6	8.4	0.47	8.7	9.5	10.3	0.55
12		8.7	9.6	0.54	10.0	11.0	11.9	0.63
12.7	1/2	9.7	10.8	0.60	11.2	12.3	13.3	0.71
13		10.2	11.3	0.63	11.7	12.9	13.9	0.74
14		11.8	13.1	0.73	13.6	14.9	16.2	0.86
14.3	9/16	12.3	13.7	0.76	14.1	15.6	16.9	0.90
15		13.6	15.1	0.84	15.6	17.1	18.6	0.99
16	5/8	15.4	17.1	0.95	17.7	19.5	21.1	1.12
17.5	11/16	18.5	20.5	1.14	21.2	23.3	25.3	1.34
18		19.5	21.7	1.21	22.4	24.7	26.7	1.42
19	3/4	21.8	24.2	1.35	25.0	27.5	29.8	1.58
20		24.1	26.8	1.49	27.7	30.4	33.0	1.76
21	13/16	26.6	29.5	1.64	30.5	33.6	36.4	1.94
22		29.2	32.4	1.80	33.5	36.8	39.9	2.12
22.2	7/8	29.7	33.0	1.84	34.2	37.6	40.7	2.17
24	15/16	34.7	38.5	2.15	39.8	43.8	47.5	2.53
25		37.7	41.8	2.33	43.2	47.6	51.6	2.74
25.4	1	38.9	43.2	2.41	44.6	49.1	53.2	2.83
26	1-1/16	40.7	45.2	2.52	46.7	51.5	55.8	2.97
28		47.3	52.5	2.92	54.2	59.7	64.7	3.44
28.6	1-1/8	49.3	54.7	3.05	56.6	62.3	67.5	3.59
30	1-3/16	54.3	60.2	3.36	62.2	68.5	74.2	3.95
31.8	1-1/4	61.0	67.7	3.77	69.9	77.0	83.4	4.44
32		61.7	68.5	3.82	70.8	77.9	84.5	4.49
34		69.7	77.4	4.31	79.9	88.0	95.4	5.07
35	1-3/8	73.8	82.0	4.57	84.7	93.2	101.1	5.38
36		78.1	86.7	4.83	89.6	98.6	106.9	5.69
38		87.0	96.6	5.38	99.8	109.9	119.1	6.34
38.1	1-1/2	87.5	97.1	5.41	100.4	110.5	119.8	6.37
40		96.4	107.1	5.96	110.6	121.8	132.0	7.02
42		106.3	118.0	6.58	122.0	134.3	-	7.74
44		116.7	129.6	7.22	133.9	147.4	-	8.50
44.5	1-3/4	119.1	132.2	7.37	136.6	150.4	-	8.67
46		127.5	141.6	7.89	146.3	161.1	-	9.29
48		138.9	154.2	8.59	159.3	175.4	-	10.11
50		150.7	167.3	9.32	172.9	190.3	-	10.97
50.8	2	155.6	172.7	9.62	178.4	196.4	-	11.33
52		163.0	180.9	10.08	187.0	205.8	-	11.87
54		175.8	195.1	10.87	201.6	221.9	-	12.80
56		189.0	209.9	11.69	216.8	238.7	-	13.76
57.2	2-1/4	197.2	218.9	12.20	226.2	249.0	-	14.36
58		202.8	225.1	12.54	232.6	256.0	-	14.76
60		217.0	240.9	13.42	248.9	274.0	-	15.80
63.5	2-1/2	243.1	-	15.03	278.8	306.9	-	17.70
66		262.6	-	16.24	301.2	331.5	-	19.12
68		278.7	-	17.24	319.7	351.9	-	20.29
70	2-3/4	295.4	-	18.27	338.8	-	-	21.51
72		312.5	-	19.32	358.4	-	-	22.75
74		330.1	-	20.41	378.6	-	-	24.03
76.2	3	350.0	-	21.65	401.5	-	-	25.48

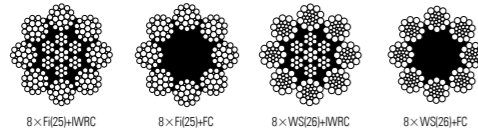
► Other size is available upon request.
(Maximum production size of 6 X 37 Class Rope - Dia. 120mm.)



POWERLIFT 8

8 × 19 Class Rope

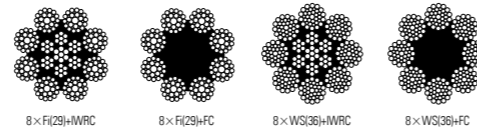
Crane / Drilling
General Engineering



Nominal Dia.	Minimum Breaking Load (Metric Ton)							
	FC Core			Steel Core			Approx Weight	
	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	Approx Weight Kg/m	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)		
mm	inch					Kg/m		
14		11.7	12.8	0.71	13.5	15.0	16.2	0.85
14.3	9/16	12.2	13.4	0.74	14.0	15.6	16.9	0.89
15		13.4	14.7	0.82	15.5	17.2	18.6	0.98
16	5/8	15.3	16.7	0.93	17.6	19.6	21.2	1.11
17.5	11/16	18.3	20.0	1.11	21.0	23.4	25.3	1.33
18		19.3	21.2	1.18	22.3	24.8	26.8	1.41
19	3/4	21.5	23.6	1.31	24.8	27.6	29.9	1.57
20		23.9	26.1	1.45	27.5	30.6	33.1	1.74
22		28.9	31.6	1.76	33.2	37.0	40.1	2.11
24		34.4	37.6	2.09	39.6	44.1	47.7	2.51
25		37.3	40.8	2.27	42.9	47.8	51.7	2.72
26	1-1/16	40.4	44.1	2.46	46.4	51.7	55.9	2.94
28		46.8	51.2	2.85	53.8	60.0	64.9	3.41
28.6	1-1/8	48.8	53.4	2.97	56.2	62.6	67.7	3.56
30	1-3/16	53.7	58.8	3.27	61.8	68.9	74.5	3.92
32		61.1	66.9	3.72	70.3	78.4	84.7	4.46
34		69.0	75.5	4.20	79.4	88.5	95.7	5.03
35		73.1	80.0	4.45	84.1	93.8	101.4	5.33
36		77.4	84.6	4.71	89.0	99.2	107.3	5.64
38		86.2	94.3	5.25	99.2	110.5	119.5	6.28
38.1	1-1/2	86.7	94.8	5.27	99.7	111.1	120.1	6.32
40		95.5	104.5	5.81	109.9	122.4	132.4	6.96
42		105.3	115.2	6.41	121.1	135.0	-	7.68
44		115.6	126.4	7.03	133.0	148.2	-	8.43
45		120.9	132.2	7.36	139.1	155.0	-	8.81
46		126.3	138.2	7.69	145.3	161.9	-	9.21
48		137.5	150.5	8.37	158.2	176.3	-	10.03

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

8 × 37 Class Rope



Nominal Dia.	Minimum Breaking Load (Metric Ton)							
	FC Core			Steel Core			Approx Weight	
	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	Approx Weight Kg/m	180 Kg/mm ² (1770 N/mm ²)	200 Kg/mm ² (1960 N/mm ²)	220 Kg/mm ² (2160 N/mm ²)		
mm	inch					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

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

Other size is available upon request. (Maximum production size of 8 X 37 Class Rope - Dia. 150mm.)

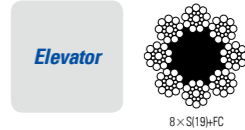
Elevator Rope

Elevator rope manufactured by DSR WIRE CORP has following features.

- 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

8 × S(19)+FC

Nominal Dia.	Minimum Breaking Load (Metric Ton)			Approx Weight Kg/m
	135 Kg/mm ² (1330 N/mm ²)	150 Kg/mm ² (1470 N/mm ²)	165 Kg/mm ² (1620 N/mm ²)	
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



Elevator

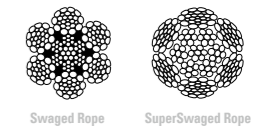
Swaged Rope

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.

Swaged Rope 6 × WS(26)+IWRC

Nominal Dia.	Swaged		SuperSwaged		
	Minimum Breaking Load (Metric Ton)	Approx Weight Kg/m	Minimum Breaking Load (Metric Ton)	Approx Weight 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	-	-

Logging
Sky Line

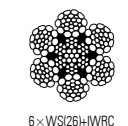


PowerSwaged Rope

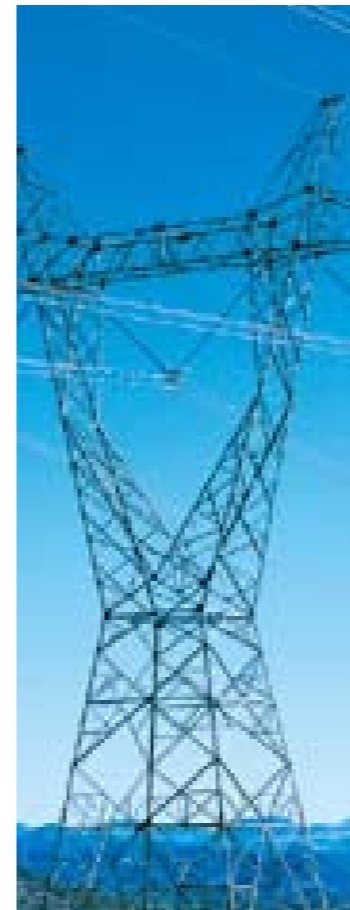
Powerswaged Rope 6 × Fi(25)+IWRC, 6 × WS(26)+IWRC

Nominal Dia.	Minimum Breaking Load (Metric Ton)		Approx Weight Kg/m	
	Ton	LBS		
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

Logging
Sky Line



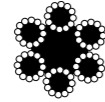
6 × WS(26)+IWRC



6×12+7FC

Nominal Dia.	Minimum Breaking Load (Metric Ton)		Approx Weight
	150 Kg/mm ² (1470 N/mm ²)	165 Kg/mm ² (1620 N/mm ²)	
mm			Kg/m
6	1.20	1.32	0.098
7	1.63	1.79	0.133
8	2.13	2.34	0.175
9	2.69	2.96	0.221
10	3.32	3.65	0.273
11	4.02	4.42	0.331
12	4.78	5.26	0.394
13	5.61	6.17	0.462
14	6.52	7.17	0.535
16	8.51	9.36	0.699
18	10.8	11.9	0.885
20	13.3	14.6	1.09
21	16.1	17.7	1.32
24	19.2	21.1	1.57
26	22.5	24.8	1.85
28	26.1	28.7	2.14
30	29.9	32.9	2.46
32	34.1	37.5	2.80
34	38.5	42.4	3.16
36	43.1	47.4	3.54
38	48.0	52.8	3.95
40	53.2	58.5	4.37

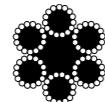
Lashing



6×15+7FC

Nominal Dia.	Minimum Breaking Load (Metric Ton)		Approx Weight
	150 Kg/mm ² (1470 N/mm ²)	165 Kg/mm ² (1620 N/mm ²)	
mm			Kg/m
8.00	1.72	1.85	0.120
9.00	2.18	2.34	0.151
9.50	2.43	2.61	0.169
10.0	2.69	2.89	0.187
11.2	3.38	3.63	0.234
12.0	3.88	4.17	0.269
12.6	4.28	4.59	0.297
13.0	4.55	4.89	0.316
14.0	5.28	5.67	0.366
14.3	5.51	5.92	0.382
15.0	6.06	6.51	0.420
16.0	6.89	7.41	0.478
17.5	8.25	8.86	0.572
18.0	8.72	9.38	0.605
19.0	9.72	10.4	0.675
20.0	10.8	11.6	0.748
21.0	11.9	12.8	0.824
22.4	13.5	14.5	0.938
24.0	15.5	16.7	1.076
25.0	16.8	18.1	1.168
25.4	17.4	18.7	1.206
26.0	18.2	19.6	1.263
28.0	21.1	22.7	1.465
28.6	22.0	23.7	1.529
30.0	24.2	26.0	1.682

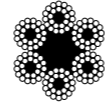
Lashing



6×24+7FC

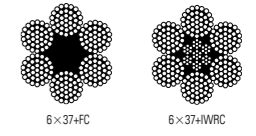
Nominal Dia.	Minimum Breaking Load (Metric Ton)			Approx Weight
	150 Kg/mm ² (1470 N/mm ²)	165 Kg/mm ² (1620 N/mm ²)	180 Kg/mm ² (1770 N/mm ²)	
mm				Kg/m
8.0	2.98	3.21	3.50	0.212
9.0	3.77	4.06	4.43	0.269
9.5	4.20	4.53	4.94	0.300
10.0	4.65	5.02	5.47	0.332
11.2	5.83	6.30	6.87	0.416
12.0	6.70	7.23	7.88	0.478
12.6	7.38	7.97	8.69	0.527
13.0	7.86	8.48	9.25	0.561
14.0	9.12	9.84	10.7	0.651
14.3	9.51	10.3	11.2	0.679
15.0	10.5	11.3	12.3	0.747
16.0	11.9	12.8	14.0	0.850
17.5	14.2	15.4	16.8	1.017
18.0	15.1	16.3	17.7	1.076
19.0	16.8	18.1	19.8	1.199
20.0	18.6	20.1	21.9	1.328
21.0	20.5	22.1	24.1	1.464
22.4	23.3	25.2	27.5	1.666
24.0	26.8	28.9	31.5	1.912
25.0	29.1	31.4	34.2	2.075
25.4	30.0	32.4	35.3	2.142
26.0	31.4	33.9	37.0	2.244
28.0	36.5	39.3	42.9	2.603
28.6	38.0	41.0	44.8	2.716
30.0	41.9	45.2	49.3	2.988
32.0	47.6	51.4	56.1	3.400
34.0	53.8	58.0	63.3	3.838
35.0	57.0	61.5	67.1	4.067
36.0	60.3	65.0	71.0	4.303
38.0	67.2	72.5	79.1	4.794
40.0	74.4	80.3	87.6	5.312
41.5	80.1	86.4	94.3	5.718
42.0	82.0	88.5	96.6	5.856
44.0	90.0	97.2	106	6.428
44.5	92.1	99.4	108	6.574
46.0	98.4	106	116	7.025
48.0	107	116	126	7.649
50.0	116	125	137	8.300
50.8	120	130	141	8.568
52.0	126	136	148	8.977
54.0	136	146	160	9.681
56.0	146	157	172	10.41
57.2	152	164	179	10.86
58.0	156	169	184	11.17
60.0	167	181	197	11.95

Sling Fishing



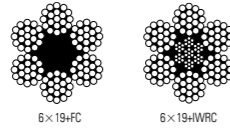
Nominal Dia.		CON.	Minimum Breaking Load (Ton)	Approx Weight (Kg/m)
mm	inch			
9	3/8	7×7×7	5.17	0.313
12.5	1/2		8.85	0.551
16	5/8		13.20	0.863
19	3/4	7×7×(S)19	18.10	1.310
22	7/8		24.00	1.770
25	1		30.60	2.320

Sling / Mooring / Crane / Hoist / Marine / General Purpose



Nominal Dia.	Minimum Breaking Load (Metric Ton)				Approx Weight	
	180Kg/mm ² (1770N/mm ²)		200 Kg/mm ² (1960 N/mm ²)		Kg/m	
	FC	IWRC	FC	IWRC	FC	IWRC
mm						
8.00	3.70	4.14	4.01	4.38	0.231	0.257
9.00	4.68	5.24	5.07	5.55	0.292	0.326
9.50	5.22	5.85	5.65	6.18	0.325	0.363
10.0	5.78	6.47	6.26	6.85	0.360	0.402
11.2	7.25	8.12	7.86	8.59	0.452	0.504
12.0	8.33	9.33	9.02	9.86	0.519	0.579
12.6	9.18	10.3	9.95	10.9	0.572	0.638
13.0	9.77	10.9	10.6	11.6	0.609	0.679
14.0	11.3	12.7	12.3	13.4	0.706	0.788
14.3	11.8	13.2	12.8	14.0	0.737	0.822
15.0	13.0	14.6	14.1	15.4	0.811	0.905
16.0	14.8	16.6	16.0	17.5	0.922	1.029
17.5	17.7	19.8	19.2	21.0	1.103	1.231
18.0	18.7	20.9	20.3	22.2	1.167	1.302
19.0	20.9	23.4	22.6	24.7	1.301	1.451
20.0	23.1	25.9	25.1	27.4	1.441	1.608
21.0	25.5	28.6	27.6	30.2	1.589	1.773
22.4	29.0	32.5	31.4	34.4	1.808	2.017
24.0	33.3	37.3	36.1	39.4	2.075	2.315
25.0	36.1	40.4	39.2	42.8	2.252	2.513
25.4	37.3	41.8	40.4	44.2	2.324	2.593
26.0	39.1	43.8	42.3	46.3	2.436	2.717
28.0	45.3	50.7	49.1	53.7	2.825	3.152
28.6	47.3	53.0	51.2	56.0	2.947	3.228
30.0	52.0	58.2	56.4	61.6	3.243	3.617
32.0	59.2	66.3	64.1	70.1	3.689	4.116
34.0	66.8	74.8	72.4	79.1	4.165	4.647
35.0	70.8	79.3	76.7	83.9	4.414	4.924
36.0	74.9	83.9	81.2	88.7	4.669	5.210
38.0	83.5	93.5	90.5	98.9	5.203	5.805
40.0	92.5	104	100	110	5.765	6.431
41.5	99.6	112	108	118	6.205	6.923
42.0	102	114	111	121	6.356	7.091
44.0	112	125	121	133	6.975	7.783
44.5	115	129	124	136	7.135	7.960
46.0	122	137	133	145	7.624	8.506
48.0	133	149	144	158	8.301	9.262
50.0	145	162	157	171	9.007	10.05
50.8	149	167	162	177	9.298	10.37
52.0	156	175	169	185	9.742	10.87
54.0	169	189	183	200	10.51	11.72
56.0	181	203	196	215	11.30	12.61
57.2	189	212	205	224	11.79	13.15
58.0	195	218	211	230	12.12	13.52
60.0	208	233	226	246	12.97	14.47
63.0	230	258	249	272	14.30	15.95
63.5	233	261	253	276	14.53	16.21
74.0	317	355	343	375	19.73	22.01
76.2	336	376	364	398	20.92	23.34

Mining / Sling / Mooring / Crane / Hoist / Marine / Logging / General Purpose



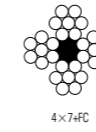
Nominal Dia.	Minimum Breaking Load (Metric Ton)				Approx Weight	
	180Kg/mm ² (1770N/mm ²)		200 Kg/mm ² (1960 N/mm ²)		Kg/m	
mm	FC	IWRC	IWRC	FC	IWRC	
6	2.12	2.39	2.58	0.131	0.145	
7	2.88	3.25	3.51	0.178	0.197	
8	3.76	4.26	4.67	0.233	0.258	
9	4.76	5.50	5.94	0.295	0.328	
10	5.88	6.65	7.18	0.364	0.404	
11	7.11	8.05	8.69	0.440	0.490	
12	8.46	9.58	10.4	0.524	0.580	
13	9.93	11.24	12.1	0.615	0.684	
14	11.5	13.2	14.2	0.713	0.793	
16	15.0	17.1	18.4	0.932	1.04	
18	19.0	21.5	23.2	1.18	1.31	
20	23.5	26.6	28.7	1.46	1.62	
22	28.4	32.2	34.8	1.76	1.95	
24	33.8	38.3	41.3	2.10	2.33	
26	39.7	45.0	48.5	2.46	2.74	
28	46.1	52.1	56.3	2.85	3.16	
30	52.9	60.0	64.8	3.28	3.65	
32	60.2	68.0	73.7	3.73	4.15	
34	67.9	76.9	83.0	4.21	4.68	
36	76.1	86.2	93.1	4.72	5.25	
38	84.8	96.1	103	5.26	5.85	
40	94.0	106	115	5.82	6.48	
42	104	117	-	6.42	7.14	
44	114	129	-	7.05	7.84	
46	124	141	-	7.70	8.57	
48	135	153	-	8.39	9.33	
50	147	166	-	9.10	10.1	
52	159	180	-	9.84	11.0	
54	171	194	-	10.6	11.8	
56	184	209	-	11.4	12.7	
58	198	224	-	12.2	13.6	
60	212	240	-	13.1	14.6	
62	226	256	-	14.0	15.6	
64	241	273	-	14.9	16.6	
66	256	290	-	15.9	17.6	

Mining Fishing



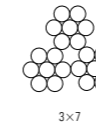
Nominal Dia.	Minimum Breaking Load (Metric Ton)			Approx Weight
	165 Kg/mm ² (1620 N/mm ²)	180 Kg/mm ² (1770 N/mm ²)		
mm			Kg/m	
6	2.19	2.39	0.133	
7	2.98	3.25	0.181	
8	3.88	4.24	0.237	
9	4.91	5.37	0.300	
10	6.06	6.62	0.371	
11	7.34	8.02	0.448	
12	8.74	9.58	0.535	
13	10.25	11.25	0.627	
14	11.9	13.0	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	

Bundling



4x7-FC

Guard Cable



3x7

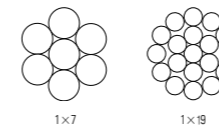
Nominal Dia.	Minimum Breaking Load (Metric Ton)			Approx Weight	
	150 Kg/mm ² (1470 N/mm ²)	165 Kg/mm ² (1620 N/mm ²)	180 Kg/mm ² (1770 N/mm ²)		
mm	inch			Kg/m	
8	5/16	3.64	4.00	4.35	0.24
9	3/8	4.57	5.02	5.48	0.30
10	-	5.66	6.23	6.79	0.37
11.2	7/16	7.10	7.80	8.52	0.47
12	-	8.15	8.97	9.80	0.54
12.5	1/2	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)		Approx Weight
	mm	inch	
10	-	4.94	0.340
12	-	7.11	0.489
14	9/16	9.68	0.665
16	5/8	12.60	0.869
18	11/16	16.00	1.100

Zinc-Coated Steel Wire Strands

Guy Strands Messengers Span Wires



1x7

1x19

Nominal Diameter of Strand in. (mm)	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)

(ASTM A 475)

DSR offers the best quality and service of our products.

Aircraft Cable

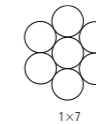
Characteristic

- 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.

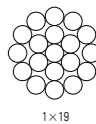
You can apply to our stainless steel cable for any industries or products require following characteristics

- Require flexibility and fatigue resistance
- Require excellent structural stability and corrosion resistance

1×7						
Nominal Dia.		Approx Weight	AISI304		AISI316	
mm	inch	Kg/100m	LBS	KN	LBS	KN
0.80	1/32	0.326	150	0.67	132	0.59
1.20	3/64	0.734	375	1.67	320	1.42
1.60	1/16	1.15	570	2.53	520	2.31
2.00	5/64	2.04	850	3.78	770	3.42
2.40	3/32	2.94	1,200	5.33	1,090	4.85
2.80	7/64	4.00	1,600	7.11	1,450	6.45
3.20	1/8	5.22	2,100	9.34	1,910	8.49
4.00	5/32	8.16	3,300	14.67	3,000	13.34
4.80	3/16	11.75	4,700	20.89	4,270	18.98
5.60	7/32	15.99	6,300	28.01	5,730	25.47
6.40	1/4	20.89	8,500	37.78	7,730	34.36
7.20	9/32	26.44	10,500	46.68	9,450	42.01
8.00	5/16	32.64	13,200	58.68	12,280	54.59
9.60	3/8	47.00	18,000	80.02	16,300	72.46



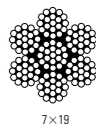
1×19						
Nominal Dia.		Approx Weight	AISI304		AISI316	
mm	inch	Kg/100m	LBS	KN	LBS	KN
0.80	1/32	0.326	150	0.67	130	0.58
1.20	3/64	0.734	375	1.67	320	1.42
1.60	1/16	1.148	550	2.44	480	2.13
2.00	5/64	2.040	850	3.78	740	3.29
2.40	3/32	2.938	1,200	5.33	1,070	4.76
2.80	7/64	3.998	1,600	7.11	1,440	6.40
3.20	1/8	5.222	2,100	9.34	1,890	8.40
4.00	5/32	8.160	3,300	14.67	3,000	13.34
4.80	3/16	11.750	4,700	20.89	4,270	18.98
5.60	7/32	15.994	6,300	28.01	5,730	25.47
6.40	1/4	20.890	8,200	36.45	7,460	33.16
7.20	9/32	26.438	10,300	45.79	9,360	41.61
8.00	5/16	32.640	12,500	55.57	11,800	52.45
9.60	3/8	47.002	17,500	77.79	16,500	73.35
11.11	7/16	62.950	24,000	106.69	22,800	101.35
12.70	1/2	82.258	31,000	137.80	29,500	131.14
14.30	9/16	104.290	38,000	168.92	36,100	160.47
16.00	5/8	130.560	47,400	210.71	44,970	199.90
18.00	11/16	165.240	60,000	266.70	56,900	253.00
19.00	3/4	184.110	66,900	297.10	64,300	285.90



7×7						
Nominal Dia.		Approx Weight	AISI304		AISI316	
mm	inch	Kg/100m	LBS	KN	LBS	KN
1.20	3/64	0.576	270	1.20	240	1.07
1.60	1/16	0.900	480	2.13	420	1.87
2.00	5/64	1.600	650	2.89	570	2.53
2.40	3/32	2.304	920	4.09	810	3.60
3.20	1/8	4.096	1,700	7.56	1,510	6.71
4.00	5/32	6.400	2,500	11.11	2,270	10.09
4.80	3/16	9.216	3,700	16.45	3,350	14.89
5.60	7/32	12.544	4,800	21.34	4,360	19.38
6.40	1/4	16.384	6,100	27.12	5,600	24.89
7.20	9/32	20.736	7,600	33.78	7,000	31.12
8.00	5/16	25.600	9,000	40.01	8,100	36.01
9.60	3/8	36.864	12,500	55.57	11,400	50.68
11.20	7/16	50.176	16,900	75.13	15,400	68.46
12.70	1/2	64.516	22,800	101.35	20,900	92.91
14.30	9/16	81.796	28,000	124.47	25,800	114.69
16.00	5/8	102.400	35,000	155.58	32,400	144.03
19.00	3/4	144.400	49,600	220.49	45,700	203.15
22.20	7/8	197.136	66,500	295.61	61,300	272.50



7×19						
Nominal Dia.		Approx Weight	AISI304		AISI316	
mm	inch	Kg/100m	LBS	KN	LBS	KN
2.00	5/64	1.600	650	2.89	560	2.49
2.40	3/32	2.304	920	4.09	810	3.60
3.20	1/8	4.096	1,760	7.82	1,530	6.80
4.00	5/32	6.400	2,400	10.67	2,110	9.38
4.80	3/16	9.216	3,700	16.45	3,210	14.27
5.60	7/32	12.544	5,000	22.23	4,350	19.34
6.40	1/4	16.384	6,400	28.45	5,600	24.89
7.20	9/32	20.736	7,800	34.67	6,800	30.23
8.00	5/16	25.600	9,000	40.01	8,200	36.45
9.60	3/8	36.864	12,000	53.34	11,000	48.90
11.20	7/16	50.176	16,500	73.35	15,000	66.68
12.70	1/2	64.516	22,800	101.35	20,700	92.02
14.30	9/16	81.796	28,500	126.69	26,000	115.58
16.00	5/8	102.400	35,000	155.58	31,900	141.80
19.00	3/4	144.400	49,600	220.49	45,100	200.48
22.20	7/8	197.136	66,500	295.61	60,500	268.94
25.40	1	258.064	85,400	379.63	77,600	344.95
28.60	1-1/8	327.184	106,400	472.98	96,400	428.52
32.00	1-1/4	409.600	129,400	575.22	118,000	524.54



P.V.C Coated Cable



7x7					7x19				
Nominal Dia.(inch)		Approx Weight (Kg/100m)			Nominal Dia.(inch)		Approx Weight (Kg/100m)		
Cable	P.V.C	Cable	P.V.C	Total	Cable	P.V.C	Cable	P.V.C	Total
1/16	3/32	1.12	0.33	1.45	1/8	3/16	4.32	1.28	5.60
1/16	1/8	1.12	0.82	1.94	1/8	7/32	4.32	2.14	6.46
1/16	3/16	1.12	1.79	2.91	1/8	1/4	4.32	2.90	7.22
3/32	1/8	2.38	0.45	2.83	5/32	7/32	6.70	1.53	8.23
3/32	5/32	2.38	1.12	3.50	3/16	1/4	9.67	2.23	11.9
3/32	3/16	2.38	1.79	4.17	3/16	5/16	9.67	4.32	14.0
1/8	3/16	4.17	1.37	5.54	1/4	5/16	16.4	2.38	18.8
1/8	1/4	4.17	3.35	7.52	1/4	3/8	16.4	6.40	22.8
3/16	5/16	9.23	4.32	13.5	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

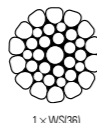
Powerflex Cable

Feature

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.

Characteristic

- 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

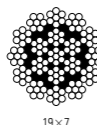
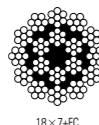


Const.	Nominal Dia.	Approx Weight	Nominal B.S
	mm	Kg/100m	KN
1x7	2	2.28	4.31
	2.5	3.56	6.76
	3	5.13	9.8
	3.5	6.98	13.23
	4	9.12	17.44
1xS(19)	3	5.4	9.81
	4	9.6	17.44
	5	15	25.48
	6	21.6	35.28
	7	29.4	49
	8	38.4	61.74
	10	60	98
	11	72.6	118.58
	12	86.4	142.1
1xWS(36)	14	118	189.14
	16	152	250.88
	19	217	303

Non-Rotating

Characteristic

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



Rotating Resistance

Nominal Dia.	18x7+FC				19x7		
	Approx Weight	Nominal B.S(KN)		Approx Weight	Nominal B.S(KN)		
mm	Kg/100m	AISI304	AISI316	Kg/100m	AISI304	AISI316	
6	14.4	19.6	18.03	15.1	20.87	18.52	
8	25.6	35.08	31.95	26.9	37.04	32.93	
9	32.4	44.3	40.47	34	46.84	41.65	
10	40	54.78	49.98	42	57.92	51.45	
11	48.4	66.44	60.47	50.8	70.07	62.23	
12	57.6	78.79	71.93	60.5	83.3	74.09	
13	67.6	92.61	84.38	71	97.8	86.93	
14	78.4	106.82	97.9	82.3	113.68	100.94	
15	90	122.5	111.72	94.5	129.36	114.66	
16	102	139.16	127.4	108	147.98	131.32	
18	130	177.38	162.68	136	187.18	166.6	
19	144	197.96	180.32	152	207.76	185.22	
20	160	218.54	199.92	168	231.28	205.8	
22	194	265.58	242.06	203	280.28	248.92	

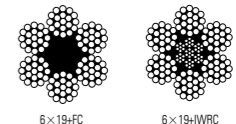
Stainless steel wire rope

Feature

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.

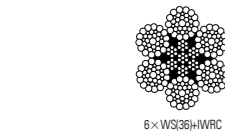
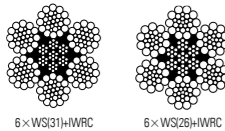
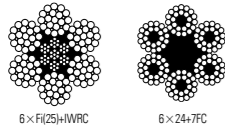
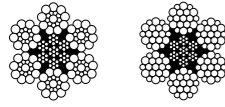
Characteristic

- 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.



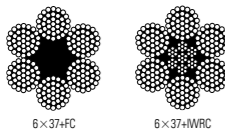
6x19+FC			
Nominal Dia.	Approx Weight	Nominal B.S(KN)	
		AISI304	AISI316
mm	Kg/100m		
6	13.1	17.54	15.78
7	17.8	23.91	21.46
8	23.3	30.87	27.73
9	29.5	39.00	35.08
10	36.4	48.22	43.32
12	52.4	69.38	62.43
13	61.5	81.44	73.30
14	71.3	94.47	84.97
15	81.9	108.78	97.90
16	93.2	123.48	111.13
18	118	155.82	140.24
19	131	174.44	157.00
20	146	193.06	173.75
22	181	233.24	209.92
24	210	277.34	249.61
25	228	301.84	271.66
26	246	325.36	292.82
28	285	377.30	339.57
30	328	434.14	390.73
32	373	493.92	444.53

6x19+IWRC			
Nominal Dia.	Approx Weight	Nominal B.S(KN)	
		AISI304	AISI316
mm	Kg/100m		
6	14.8	20.48	18.42
7	20.1	27.83	24.99
8	26.2	33.32	29.99
9	33.2	42.14	37.93
10	41.0	52.04	46.84
12	59.0	74.97	67.52
13	69.3	87.91	79.18
14	80.4	101.92	91.73
15	92.3	117.60	105.84
16	105	133.28	119.56
18	133	168.56	150.92
19	148	190.12	170.52
20	164	207.76	186.20
22	204	251.86	226.38
24	236	299.88	269.50
25	256	327.32	294.00
26	277	351.82	316.54
28	321	407.68	366.52
30	369	468.44	421.40
32	420	533.12	479.22



6xS(19) + IWRC, 6xW(19) + IWRC 6xS(25) + IWRC, 6xWS(26) + IWRC 6xWS(36) + IWRC, 6xWS(31) + IWRC			
Nominal Dia. mm	Approx Weight Kg/100m	Nominal B.S(KN)	
		AISI304	AISI316
8	26.9	40.28	35.77
9	34.0	50.96	45.28
10	42.0	63.01	55.86
12	60.5	90.75	80.46
13	71.0	106.43	94.47
14	82.3	123.48	109.47
15	94.5	141.81	125.73
16	108	161.31	143.08
18	136	204.13	181.10
19	152	227.46	201.78
20	168	252.06	223.54
22	209	304.98	270.48
24	242	362.89	321.93
25	263	393.76	349.27
26	284	425.91	377.79
28	329	494.02	438.16
30	378	567.13	503.03
32	430	645.23	572.32

6x24 + 7 FC			
Nominal Dia. mm	Approx Weight Kg/100m	Nominal B.S(KN)	
		AISI304	AISI316
8	21.2	28.13	25.58
9	26.9	35.57	31.95
10	33.2	43.90	39.49
12	47.8	63.21	56.84
13	56.1	74.19	66.64
14	65.1	86.04	77.42
15	74.7	98.78	88.89
16	85.0	112.70	101.43
18	108	142.10	127.40
19	120	158.76	142.10
20	133	175.42	157.78
22	165	212.66	191.10
24	191	252.84	227.36
25	208	274.40	246.96
26	224	296.94	266.56
28	260	343.98	308.70
30	299	394.94	354.76
32	340	449.82	404.74



6x37 + FC			
Nominal Dia. mm	Approx Weight Kg/100m	Nominal B.S(KN)	
		AISI304	AISI316
12	51.8	66.54	59.88
13	60.8	78.11	70.27
14	70.6	90.65	81.54
15	81.0	102.90	92.61
16	92.2	118.58	105.84
18	117	149.94	134.26
19	130	167.58	149.94
20	144	185.22	166.60
22	179	223.44	200.90
24	207	266.56	239.12
25	225	289.10	259.70
26	243	312.62	281.26
28	282	362.60	326.34
30	324	418.46	376.32
32	369	473.34	425.32

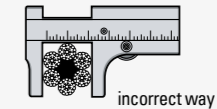
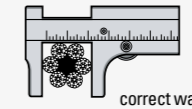
6x37 + IWRC			
Nominal Dia. mm	Approx Weight Kg/100m	Nominal B.S(KN)	
		AISI304	AISI316
12	59.0	71.93	64.68
13	69.3	84.38	75.85
14	80.4	97.80	88.00
15	92.3	112.70	104.37
16	105	127.40	114.66
18	133	161.70	145.04
19	148	183.26	164.64
20	164	199.92	179.34
22	204	242.06	217.56
24	236	287.14	257.74
25	256	317.52	285.18
26	277	337.12	302.82
28	321	391.02	351.82
30	369	451.78	405.72
32	420	511.56	459.62

HOW TO ORDER

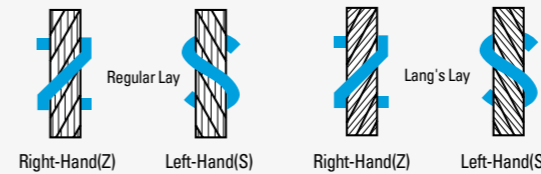
An order and inquiry for DSR should be accompanied by the following information

Steel Wire Rope

1. Ungalvanized or galvanized : ex. Galvanized
2. Diameter of the rope : ex. 20mm, 3/4inch



3. Construction and Type : ex. Powerlift 35, Powertec 35
4. Direction and type of lay : Right Hand Regular Lay(RHRL)



5. Length and Quantity : ex. 1,000Meterx5R/L, 1,000Feetx3C/L
6. Lubrication : ex. A-1[Petroleum], C[Asphalt]
7. Specification : ex. FS, BS, JIS
8. Grade of Wire : ex. IPS, EIPS, 200Kg/mm², 1,960N/mm²

9. Application : ex. Kind of Crane, Fishing
10. Packing : ex. Coil, Wooden Reel, Steel Reel
11. Remarks : ex. Shipping Marks and any other special requirements

Zinc-Coated Steel Wire Strands

1. Strand diameter : ex. 1/4 inch 7/2.00
2. Diameter of the rope : ex. 5,000 Feetx10 R/L, 1,000 meterx10R/L
3. Direction and type of lay : ex. Right Hand Regular Lay(RHRL)

4. Specification : ex. KS, JIS, BS
5. Grade of Wire : ex. EHS, 1100, grade 1
6. Weight of Zinc coating : ex. Class A

Stainless Wire Rope

1. Construction : ex. 6x24+FC, 6xWS(36)+IWRC
2. Grade : ex. AISI 302, AISI 304, AISI 305, AISI 316
3. Diameter of the rope : ex. 24mm, 3/4inch
4. Direction and type of lay : ex. Right Hand Regular Lay(RHRL)
5. Length and Quantity : ex. 1,000 Meterx1R/L, 1,000 feetx3R/L

6. Tensile strength : ex. 180Kgs/mm², 1960N/mm²
7. Packing : Wooden Reel, Plastic Spool
8. Specification : ex. FS, DIN, BS, JIS, ISO, KS
9. Application : ex. Fishing, Crane
10. Remarks : ex. Shipping Marks and any other special requirements



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