

STEEL WIRE ROPE CATEGORY

- According to different contact status of the adjacent layers, steel wire rope can be classified into point contact wire rope, line contact wire rope and compacted strand wire rope (surface contact wire rope).
- According to the cross-section shape of wire rope strand, steel wire rope can be classified into round strand wire rope and shaped strand wire rope.
- According to the surface status of the wire, steel wire rope can be classified into un-galvanized (bright) wire rope, galvanized wire rope and galvanized alloy wire rope.

TABLE OF STEEL WIRE ROPE

Rope Type		Typical Construction		Rope Diameter (mm)
		Wire Rope	Strand	
Single-strand wire rope	6X7	1×7	(1+6)	6 ~ 16
		1×19	(1+6+12)	10 ~ 30
		1×37	(1+6+12+18)	14 ~ 42
		1×61	(1+6+12+18+24)	20 ~ 54
		1×91	(1+6+12+18+24+30)	30 ~ 66
	1×127 ~ 1×631	—	50 ~ 160	
	6X19(a)	6×7	(1+6)	6~36
		6×19S	(1+9+9)	12 ~ 42
		6×19W	(1+6+6/6)	12 ~ 42
		6×25Fi	(1+6+6F+12)	16 ~ 42
6×26WS		(1+5+5/5+10)	16 ~ 42	
6X19(b)	6×31WS	(1+6+6/6+12)	18 ~ 42	
	6×19	(1+6+12)	9 ~ 46	
	6×29Fi	(1+7+7F+14)	18 ~ 64	
6X37(a)	6×36WS	(1+7+7/7+14)	16 ~ 90	
	6×41WS	(1+8+8/8+16)	38 ~ 100	
	6×49SWS	(1+8+8+8/8+16)	38 ~ 100	
	6×55SWS	(1+9+9+9/9+18)	38 ~ 100	
	6×37S	(1+6+15+15)	16 ~ 64	
6X37(b)	6×37	(1+6+12+18)	13 ~ 66	
	6×61FWS	(1+5+5F+10+10/10+20)	60 ~ 110	
6X61(a)	6×64SFS	(1+9+9+9F+18+18)	60 ~ 100	
	6×65FNS	(1+6+6F+12-20+20)	60 ~ 116	
	6×80WSNS	(1+7+7/7+14-22+22)	60 ~ 130	
6X61(ab)	6×84WSNS	(1+7+7/7+14-24+24)	60 ~ 142	
	6×111SWSNS	(1+9+9+9/9+18-28+28)	60 ~ 128	
	6×103FSNS	(1+7+7F+14+14-30+30)	60 ~ 156	
6X91(ab)	6×109SWSNS	(1+8+8+8/8+16-30+30)	60 ~ 156	
	6×61	(1+6+12+18+24)	40 ~ 110	
	6X12	(FC+12)	8 ~ 32	
6X24	6×24	(FC+9+15)	30 ~ 46	
	6×24S	(FC+12+12)	14 ~ 44	
	6×24W	(FC+8+8/8)	14 ~ 44	
8X19	8×19S	(1+9+9)	16 ~ 50	
	8×19W	(1+6+6/6)	16 ~ 50	
	8×25Fi	(1+6+6F+12)	18 ~ 56	
	8×26WS	(1+5+5/5+10)	16 ~ 54	
	8×31WS	(1+6+6/6+12)	16 ~ 60	

TABLE OF STEEL WIRE ROPE

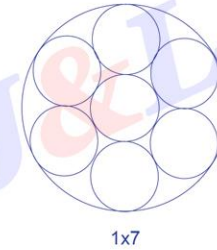
Rope Type		Typical Construction		Rope Diameter (mm)	
		Wire Rope	Stand		
Round Strand Wire Rope	8X37(a)	8×36WS	(1+7+7/7+14)	18 ~ 108	
		8×41WS	(1+8+8/8+16)	28 ~ 120	
		8×49SWS	(1+8+8+8/8+16)	40 ~ 120	
		8×55SWS	(1+9+9+9/9+18)	40 ~ 124	
	8X37(b)	8×37	(1+6+12+18)	60 ~ 86	
	8X61(a)	8×61FWS	(1+5+5F+10+10/10+20)	60 ~ 136	
		8×64SFS	(1+9+9+9F+18+18)	60 ~ 124	
	8X61(ab)	8×65FNS	(1+6+6F+12-20+20)	60 ~ 140	
		8×80WSNS	(1+7+7/7+14-22+22)	60 ~ 158	
		8×84WSNS	(1+7+7/7+14-24+24)	60 ~ 172	
8X91(ab)	8×111SWSNS	(1+9+9+9/9+18-28+28)	60 ~ 156		
	8×103FSNS	(1+7+7F+14+14-30+30)	60 ~ 190		
	8×109SWSNS	(1+8+8+8/8+16-30+30)	60 ~ 190		
8X61(b)	8×61	(1+6+12+18+24)	60 ~ 134		
Shaped Strand Wire Rope	18X7	17×7	(1+6)	12 ~ 44	
		18×7	(1+6)	12 ~ 50	
		18×19S	(1+9+9)	18 ~ 50	
	18X19	18×19W	(1+6+6/6)	14 ~ 50	
		18×19	(1+6+12)	14 ~ 50	
	34X7	34×7	(1+6)	16 ~ 60	
		36×7	(1+6)	16 ~ 60	
		35W×7	(1+6)	16 ~ 60	
	Compacted Strand Wire Rope	4VX39	4V×39S	(FC+9+15+15)	14 ~ 46
			4V×48S	(FC+12+18+18)	20 ~ 50
6VX7			6V×19	(1/7+3/3+9)	20 ~ 36
6VX19		6V×21	(FC+9+12)	18 ~ 36	
		6V×24	(FC+12+12)	18 ~ 36	
		6V×30	(6+12+12)	22 ~ 38	
		6V×34	(1/7+3/3+12+12)	28 ~ 44	
6VX37		6V×37	(1/7+3/3+12+15)	32 ~ 52	
		6V×37S	(1/7+3/3+12+15)	32 ~ 52	
		6V×43	(1/7+3/3+15+18)	38 ~ 58	
8XK36类	6×K7类	6×K7	1+6	10 ~ 40	
		6×K19S	1+9+9	12 ~ 40	
	6×K19类	6×K26WS	1+5+5/5+10	14 ~ 40	
		6×K31WS	1+6+6/6+12	16 ~ 40	
	6×K36类	6×K36WS	1+7+7/7+14	24 ~ 68	
		6×K41WS	1+8+8/8+16	38 ~ 68	
	8×K19类	8×K17S	1+8+8	16 ~ 38	
		8×K19S	1+9+9	16 ~ 40	
		8×K26WS	1+5+5/5+10	20 ~ 42	
		8×K31WS	1+6+6/6+12	24 ~ 50	
8×K36类	8×K36WS	1+7+7/7+14	28 ~ 78		
	8×K41WS	1+8+8/8+16	30 ~ 78		

CONTINUED TABLE

Rope Type	Typical Construction		Rope Diameter (mm)	
	Wire Rope	Stand		
Compacted Strand Wire Rope	8×K19-PWRC(K)	8×K19S-PWRC(K)	1+9+9	20 ~ 48
		8×K26WS-PWRC(K)	1+5+5/5+10	20 ~ 48
		8×K31WS-PWRC(K)	1+6+6/6+12	20 ~ 56
	8×K36-PWRC(K)	8×K36WS-PWRC(K)	1+7+7/7+14	22 ~ 60
	15×K7	15×K7	1+6	20 ~ 60
	16×K7	16×K7	1+6	20 ~ 60
	18×K7	18×K7	1+6	14 ~ 48
	18×K19	18×K19S	1+9+9	24 ~ 60
	35W×K7	35W×K7	1+6	14 ~ 42
		35W×K19S	1+9+9	35 ~ 52
		35W×K26WS	1+5+5/5+10	40 ~ 60
	JL-1618K	JL-1618K	1+6	18 ~ 60
	JL-1710 K	JL-1710K26WS	1+5+5/5+10	20 ~ 50
		JL-1710K31WS	1+6+6/6+12	20 ~ 50
		JL-1710K36WS	1+7+7/7+14	30 ~ 50
JL-1712K	JL-1712K7	1+6	20 ~ 40	
	JL-1712K19S	1+9+9	30 ~ 60	
Steel Cable	7×[6×37(a)+IWR]	6×[6×36WS+IWR]+IWRC	192-260	
		6×[6×41WS+IWR]+IWRC	192-260	
		6×[6×49SWS+IWR]+IWRC	192-260	
	7×[6×61(a)+IWR]	6×[6×55SWS+IWR]+IWRC	192-260	
		6×[6×61FWS+IWR]+IWRC	192-260	
		6×[6×64SFS+IWR]+IWRC	192-260	
	7×[6×37(b)+IWR]	6×[6×37+IWR]+IWRC	192-260	
	7×[6×61(b)+IWR]	6×[6×61+IWR]+IWRC	192-260	
	9×[6×37(a)+IWR]	8×[6×36WS+IWR]+IWRC	192-260	
		8×[6×41WS+IWR]+IWRC	192-260	
		8×[6×49SWS+IWR]+IWRC	192-260	
	9×[6×61(a)+IWR]	8×[6×55SWS+IWR]+IWRC	192-260	
		8×[6×61FWS+IWR]+IWRC	192-260	
		8×[6×64SFS+IWR]+IWRC	192-260	
	9×[6×37(b)+IWR]	8×[6×37+IWR]+IWRC	192-260	
9×[6×61(b)+IWR]	8×[6×61+IWR]+IWRC	192-260		

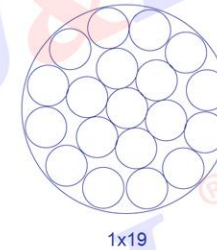
ROUND STRAND WIRE ROPE

- Rope Type: Single-strand wire rope
- Rope Construction: 1X7
- Application: It is used in large-scale field structure parts, suspension cables and tension tower.
- Modulus of Elasticity: 150GPa



Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
6	17.6	21.2	30	31.9	33.8
6.4	20	24.1	34.1	36.3	38.4
7	24	28.9	40.8	43.4	46
8	31.3	37.7	53.5	56.6	60.1
9	39.6	47.7	67.4	71.7	76
9.5	44.1	53.2	75.1	79.9	84.7
10	48.9	58.9	83.2	88.5	93.8
11	59.2	71.3	101	107	114
12	70.4	84.8	120	127	135
13	82.6	99.5	141	150	159
14	95.8	115	163	173	184
14.5	103	124	175	186	197
16	125	151	213	227	240

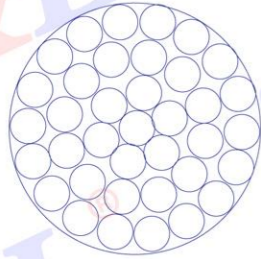
- Round Type: Single-strand wire rope
- Rope Construction: 1x19
- Application: It is used in large-scale field structure parts, suspension cables, tension tower.
- Modulus of Elasticity: 150GPa



Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
10	48.5	58.4	82.6	87.7	93.1
11	58.7	70.7	99.9	106	113
12	69.8	84.1	119	126	134
13	82	98.8	140	148	157
14	95.1	115	162	172	182
14.5	102	123	174	184	196
16	124	150	211	224	238
18	157	189	268	284	302
19	175	211	298	317	336
20	194	234	330	351	372
22	235	283	400	424	451
24	279	336	426	505	536
26	328	395	558	593	629
28	380	458	647	687	730
29	408	491	694	737	783
30	436	526	743	789	838

ROUND STRAND WIRE ROPE

- Rope Type: Single strand wire rope
- Rope Construction: 1X37
- Application: It is used in large-scale field structure parts, suspension cables, tension tower.
- Modulus of Elasticity: 150GPa

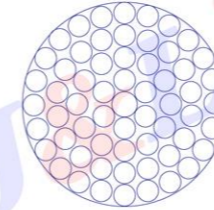


1x37

Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
Minimum Breaking Strength (kN)					
14	94.8	114	158	168	178
14.5	102	123	169	180	191
16	124	149	206	219	232
18	157	189	261	278	294
19	175	210	291	309	328
20	193	233	322	343	363
22	234	282	390	415	439
24	279	336	464	493	523
26	327	394	544	579	614
28	379	457	631	672	712
29	407	490	677	720	763
30	435	524	725	771	817
32	495	597	824	877	930
34	559	674	931	990	--
35	593	714	986	--	--
36	627	755	1040	--	--
38	698	842	1160	--	--
40	774	932	1290	--	--
42	853	1030	1420	--	--

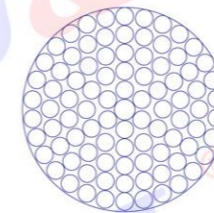
ROUND STRAND WIRE ROPE

- Rope Type: Single strand wire rope
- Rope Construction: 1X61
- Application: It is used in large-scale field structure parts, suspension cables, tension tower.
- Modulus of Elasticity: 150GPa



1x61

- Rope Type: Single strand wire rope
- Rope Construction: 1X91
- Application: It is used in large-scale field structure parts, suspension cables, tension tower.
- Modulus of Elasticity: 150GPa



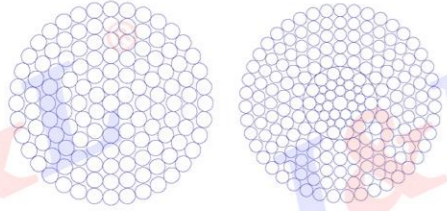
1x91

Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
Minimum Breaking Strength (kN)					
20	193	233	322	342	363
22	234	282	389	414	439
24	278	335	463	493	522
26	327	393	544	578	613
28	379	456	630	670	711
29	406	489	676	719	762
30	435	524	724	770	816
32	495	596	823	876	928
34	558	673	929	988	1050
35	592	713	985	1047	1110
36	626	754	1040	1108	1170
38	698	840	1160	1235	1310
40	773	931	1290	1368	1450
42	852	1030	1420	1508	--
44	935	1130	1560	1655	--
45	978	1180	1630	--	--
46	1020	1230	1700	--	--
48	1110	1340	1850	--	--
50	1210	1450	2010	--	--
51	1260	1510	2090	--	--
52	1310	1570	2170	--	--
54	1410	1700	2340	--	--

Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
Minimum Breaking Strength (kN)					
30	434	522	722	767	814
32	493	594	821	872	926
34	557	671	927	985	1050
35	590	711	982	1043	1110
36	624	752	1040	1104	1170
38	696	838	1160	1230	1310
40	771	929	1280	1363	1450
42	850	1020	1410	1502	1590
44	933	1120	1550	1649	1750
45	976	1180	1620	1725	1830
46	1020	1230	1700	1802	1910
48	1110	1340	1850	1962	2080
50	1205	1450	2000	2129	2260
51	1255	1510	2090	2215	2350
52	1300	1570	2170	2303	2440
54	1405	1690	2340	2484	--
56	1510	1820	2510	--	--
57	1570	1890	2610	--	--
58	1620	1950	2700	--	--
60	1736	2090	2890	--	--
62	1855	2230	3080	--	--
64	1975	2380	3280	--	--
66	2100	2530	3490	--	--

ROUND STRAND WIRE ROPE

- Rope Type: Single strand wire rope
- Rope Construction: 1×127-1×631
- Application: It is used in large-scale field structure parts, suspension cables, tension tower.
- Modulus of Elasticity: 150GPa



Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
			Minimum Breaking Strength (kN)		
50	1200	1450	2000	2129	2260
51	1250	1510	2090	2215	2350
52	1300	1570	2170	2303	2440
54	1400	1690	2340	2484	2640
56	1510	1820	2510	2671	2840
57	1570	1890	2610	2767	2940
58	1620	1950	2700	2865	3040
60	1730	2090	2890	3066	3250
62	1850	2230	3080	3274	3480
64	1970	2380	3280	3489	3700
66	2100	2530	3490	3710	3940
67	2160	2610	3600	3823	4060
68	2230	2680	3710	3938	4180
70	2360	2840	3930	4173	4430
71	2430	2930	4040	4293	4560
72	2500	3010	4160	4415	4690
74	2640	3180	4390	4664	4950
76	2780	3350	4630	4919	5220
77	2860	3440	4750	5050	5360
78	2930	3530	4880	5182	5500
80	3080	3710	5130	5451	5790
82	3240	3900	5390	5727	6080
83	3320	4000	5520	5867	6230
84	3400	4100	5660	6010	6380
86	3560	4290	5930	6299	6690
87	3650	4390	6070	6447	6840
88	3730	4490	6210	6596	7000
90	3900	4700	6500	6899	7320
92	4080	4910	6790	7209	7650

ROUND STRAND WIRE ROPE(CONTINUED TABLE)

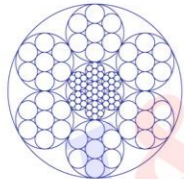
Rope Nominal Diameter (mm)	Approx. Nominal Weight (kg/100m)	Nominal Metal cross sectional area (mm ²)	Nominal Tensile Strength MPa		
			1570	1670	1770
			Minimum Breaking Strength (kN)		
94	4260	5130	7090	7526	7990
96	4440	5350	7390	7849	8330
98	4630	5570	7700	8180	8680
100	4820	5800	8020	8517	9040
102	5010	6040	8340	8861	9410
103	5110	6160	8510	9036	9590
104	5210	6280	8670	9212	9780
106	5410	6520	9010	9570	10200
108	5620	6770	9350	9934	10500
109	5720	6900	9530	10119	10700
110	5830	7020	9700	10306	10900
112	6040	7280	10100	10684	11300
114	6260	7540	10400	11069	11700
115	6370	7680	10600	11264	12000
116	6480	7810	10800	11460	12200
118	6710	8080	11200	11859	12600
120	6940	8360	11500	12264	13000
122	7170	8640	11900	12677	13500
124	7410	8920	12300	13096	13900
126	7650	9210	12700	13522	14400
128	7890	9510	13100	13954	14800
130	8140	9810	13600	14394	15300
132	8390	10100	14000	14840	15800
134	8650	10400	14400	15293	16200
135	8780	10600	14600	15522	16500
136	8910	10700	14800	15753	16700
138	9170	11100	15300	16220	17200
140	9440	11400	15700	16693	17700
141	9580	11500	15900	16933	18000
142	9710	11700	16200	17174	18200
144	9990	12000	16600	17661	18700
146	10300	12400	17100	--	--
147	10400	12500	17300	--	--
148	10600	12700	17600	--	--
150	10800	13100	18000	--	--
152	11100	13400	18500	--	--
154	11400	13800	19000	--	--
156	11700	14100	19500	--	--
158	12000	14500	20000	--	--
160	12300	14900	20500	--	--

ROUND STRAND WIRE ROPE

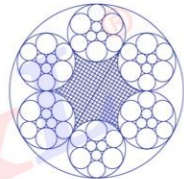
- Rope type: 6X7
- Rope Construction: 6×7+FC 6×7+IWS 6×7+IWR 6×9W+FC 6×9W+IWR
- Application: It is used in inclined shaft lifting (winch), steel wire rope belt conveyor, cableway rope, ship mast tensioning suspension bridge (steel core).



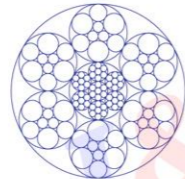
6x7+FC



6x7+IWR



6x9W+FC



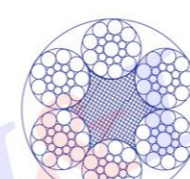
6x9W+IWR

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)			Nominal Tensile Strength (MPa)								
				1570		1670		1770		1870		
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Minimum Breaking Strength (kN)								
			Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
6	12.6	12.4	13.9	18.8	20.3	20	21.6	21.2	22.9	22.4	24.2	
7	17.2	16.9	19	25.5	27.6	27.2	29.4	28.8	31.1	30.4	32.9	
8	22.5	22	24.8	33.4	36.1	35.5	38.4	37.6	40.7	39.7	43	
9	28.4	27.9	31.3	42.2	45.7	44.9	48.6	47.6	51.5	50.3	54.4	
10	35.1	34.4	38.7	52.1	56.4	55.4	60	58.8	63.5	62.1	67.1	
11	42.5	41.6	46.8	63.1	68.2	67.1	72.5	71.1	76.9	75.1	81.2	
12	50.5	49.5	55.7	75.1	81.2	79.8	86.3	84.6	91.5	89.4	96.7	
13	59.3	58.1	65.4	88.1	95.3	93.7	101	99.3	107	105	113	
14	68.8	67.4	75.9	102	110	109	118	115	125	122	132	
16	89.9	88.1	99.1	133	144	142	153	150	163	159	172	
18	114	111	125	169	183	180	194	190	206	201	218	
20	140	138	155	208	225	222	240	235	254	248	269	
22	170	166	187	252	273	268	290	284	308	300	325	
24	202	198	223	300	325	319	345	338	366	358	387	
26	237	233	262	352	381	375	405	397	430	420	454	
28	275	270	303	409	442	435	470	461	498	487	526	
30	316	310	348	469	507	499	540	529	572	559	604	
32	359	352	396	534	577	568	614	602	651	636	687	
34	406	398	447	603	652	641	693	679	735	718	776	
36	455	446	502	676	730	719	777	762	824	805	870	

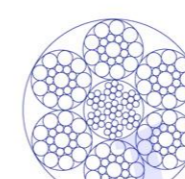
Note : Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope × 1.134(fiber Core) or 1.214(steel core)

ROUND STRAND WIRE ROPE

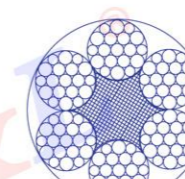
- Rope type: 6X19(a)
- Rope Construction: 6x19S+FC 6x19S+IWR 6x19W+FC 6x19W+IWR
- Application: 6×19S : It is used in blast furnace hoisting, petroleum drilling, heavy-duty casting crane (steel core), heavy lifting and other important usage of crane, steel heat transfer machine (steel core), ship mast tensioning suspension bridge(steel core).
6×19W : It is used in petroleum drilling, heavy-duty casting crane (steel core), heavy lifting and other important usage of crane, steel heat transfer machine (steel core), Shipping handling.



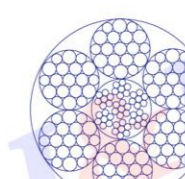
6x19S+FC



6x19S+IWR



6x19W+FC



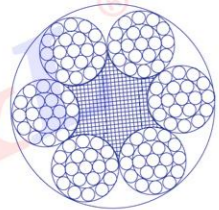
6x19W+IWR

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)			Nominal Tensile Strength (MPa)												
				1570		1670		1770		1870		1960		2160		
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Minimum Breaking Strength (kN)												
			Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
12	53.1	51.8	58.4	74.6	80.5	79.4	85.6	84.1	90.7	88.9	95.9	93.1	100	103	111	
13	62.3	60.8	68.5	87.6	94.5	93.1	100	98.7	106	104	113	109	118	120	130	
14	72.2	70.5	79.5	102	110	108	117	114	124	121	130	127	137	140	151	
16	94.4	92.1	104	133	143	141	152	150	161	158	170	166	179	182	197	
18	119	117	131	168	181	179	193	189	204	200	216	210	226	231	249	
20	147	144	162	207	224	220	238	234	252	247	266	259	279	285	308	
22	178	174	196	251	271	267	288	283	305	299	322	313	338	345	372	
24	212	207	234	298	322	317	342	336	363	355	383	373	402	411	443	
26	249	243	274	350	378	373	402	395	426	417	450	437	472	482	520	
28	289	282	318	406	438	432	466	458	494	484	522	507	547	559	603	
30	332	324	365	466	503	496	535	526	567	555	599	582	628	642	692	
32	377	369	415	531	572	564	609	598	645	632	682	662	715	730	787	
34	426	416	469	599	646	637	687	675	728	713	770	748	807	824	889	
36	478	466	525	671	724	714	770	757	817	800	863	838	904	924	997	
38	532	520	585	748	807	796	858	843	910	891	961	934	1010	1030	1110	
40	590	576	649	829	894	882	951	935	1010	987	1070	1030	1120	1140	1230	
42	670	654	737	914	986	972	1049	1030	1112	1088	1174	1141	1231	--	--	

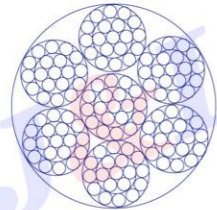
Note : Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope × 1.214(fiber Core) or 1.308(steel core)

ROUND STRAND WIRE ROPE

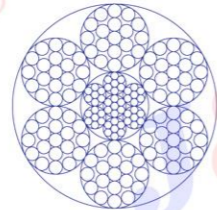
- Rope type:6X19(b)
- Rope Construction: 6x19+FC 6x19+IWS 6x19+IWR
- Application: It is used in a variety of lifting, hoisting, and traction equipment.



6x19+FC



6x19+IWS



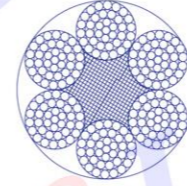
6x19+IWR

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)								
			1570			1670			1770		
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
9	28.4	27.9	32.4	39	42.2	41.6	44.9	44	47.6	46.5	50.3
10	35.1	34.4	40	48.2	52.1	51.3	55.4	54.4	58.8	57.4	62.1
11	42.5	41.6	48.4	58.3	63.1	62	67.1	65.8	71.1	69.5	75.1
12	50.5	50	57.6	69.4	75.1	73.8	79.8	78.2	84.6	82.7	89.4
13	59.3	58.1	67.6	81.5	88.1	86.6	93.7	91.8	99.3	97	105
14	68.8	67.4	78.4	94.5	102	100	109	107	115	113	122
16	89.9	88.1	102	123	133	131	142	139	150	147	159
18	114	111	130	156	169	166	180	176	190	186	201
20	140	138	160	193	208	205	222	217	235	230	248
22	170	166	194	233	252	248	268	263	284	278	300
24	202	198	230	278	300	295	319	313	338	331	358
26	237	233	270	326	352	346	375	367	397	388	420
28	275	270	314	378	409	402	435	426	461	450	487
30	316	310	360	434	469	461	499	489	529	517	559
32	359	352	410	494	534	525	568	557	602	588	636
34	406	398	462	557	603	593	641	628	679	664	718
36	455	446	518	625	676	664	719	704	762	744	805
38	507	497	578	696	753	740	801	785	849	829	896
40	562	550	640	771	834	820	887	869	940	919	993
42	619	607	706	850	919	904	978	959	1040	1010	1100
44	680	666	774	933	1010	993	1070	1050	1140	1110	1200
46	743	728	846	1020	1100	1080	1170	1150	1240	1210	1310

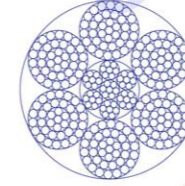
Note : Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope × 1.226(fiber Core) or 1.321(steel core).

ROUND STRAND WIRE ROPE

- Rope type:6X37(b)类
- Rope Construction: 6X37+FC 6X37+IWR
- Application: It is used in a variety of lifting, hoisting, and traction equipment.



6x37+FC



6x37+IWR

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)								
			1570			1670			1770		
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
13	58.5	57	67.6	78.3	84.6	83.3	90	88.2	95.4	93.2	101
14	67.8	66.1	78.4	90.8	98.2	96.6	104	102	111	108	117
16	88.6	86.3	102	119	128	126	136	134	145	141	153
18	112	109	130	150	162	160	173	169	183	179	193
20	138	135	160	185	200	197	213	209	226	221	239
22	167	163	194	224	242	238	258	253	273	267	289
24	199	194	230	267	288	284	307	301	325	318	344
26	234	228	270	313	339	333	360	353	382	373	403
28	271	264	314	363	393	386	418	409	443	432	468
30	311	303	360	417	451	443	479	470	508	496	537
32	354	345	410	474	513	504	546	535	578	565	611
34	400	390	462	535	579	570	616	604	653	638	690
36	448	437	518	600	649	638	690	677	732	715	773
38	500	487	578	669	723	711	769	754	815	797	861
40	554	539	640	741	801	788	852	835	903	883	954
42	610	594	706	817	883	869	940	921	996	973	1050
44	670	652	774	897	970	954	1030	1010	1090	1070	1150
46	732	713	846	980	1060	1040	1130	1100	1190	1170	1260
48	797	776	922	1070	1150	1140	1230	1200	1300	1270	1370
50	865	843	1000	1160	1250	1230	1330	1300	1410	1380	1490
52	936	911	1080	1250	1350	1330	1440	1410	1530	1490	1610
54	1010	983	1170	1350	1460	1440	1550	1520	1650	1610	1740
56	1090	1060	1250	1450	1570	1540	1670	1640	1770	1730	1870
58	1160	1130	1350	1560	1680	1660	1790	1760	1900	1860	2010
60	1250	1210	1440	1670	1800	1770	1920	1880	2030	1990	2150
62	1330	1300	1538	1780	1920	1890	2040	2000	2170	2120	2290
64	1420	1380	1638	1890	2050	2010	2180	2130	2310	2250	2440
66	1510	1470	1742	2010	2180	2140	2320	2270	2460	2400	2590

Note : Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope × 1.249(fiber Core) or 1.336(steel core).

ROUND STRAND WIRE ROPE

■ Rope type: 6×19 (a), 6×37 (a)

■ Rope Construction: 6×25Fi+FC	6×25Fi+IWR	6×26WS+FC	6×26WS+IWR	6×29Fi+FC
6×29Fi+IWR	6×31WS+FC	6×31WS+IWR	6×36WS+FC	6×36WS+IWR
6×37S+FC	6×37S+IWR	6×41WS+FC	6×41WS+IWR	6×49SWS+FC
6×49SWS+IWR	6×55SWS+FC	6×55SWS+IWR		

■ Application:

6×25Fi: It is used in blast furnace hoisting, petroleum drilling, heavy-duty crane (steel core), heavy lifting and other important usage of crane, steel heat transfer machine (steel core), Shipping handling.

6×26WS: It is used in blast furnace hoisting, petroleum drilling, heavy lifting and other important usage of crane.

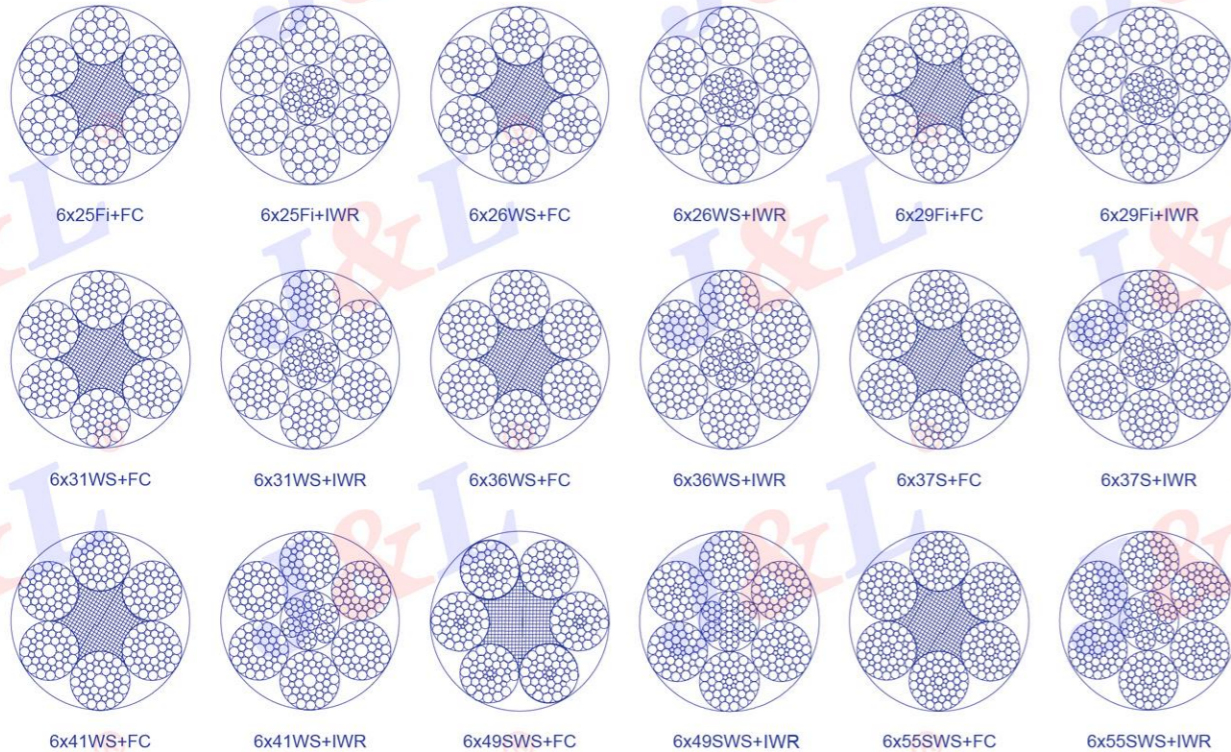
6×29Fi: It is used in blast furnace hoisting, petroleum drilling, heavy lifting and other important uses of crane, steel heat transfer machine (steel core), Shipping handling.

6×31WS: It is used in blast furnace hoisting, petroleum drilling, heavy lifting and other important uses of crane, steel heat transfer machine (steel core), Shipping handling, tow boat, cargo net.

6×36WS: It is used in balance shaft rope (only interactive twist), blast furnace hoisting, petroleum drilling, heavy lifting and other important uses of crane, steel heat transfer machine (steel core), Shipping handling, tow boat, cargo net, salvage.

6×37S : It is used in balance shaft rope (only interactive twist), heavy lifting and other important uses of crane, steel heat transfer machine (steel core), Shipping handling, tow boat, cargo net, salvage.

6×49SWS、6×55SWS : It is used in heavy lifting and other important usage of crane, salvage.



ROUND STRAND WIRE ROPE (CONTINUED TABLE)

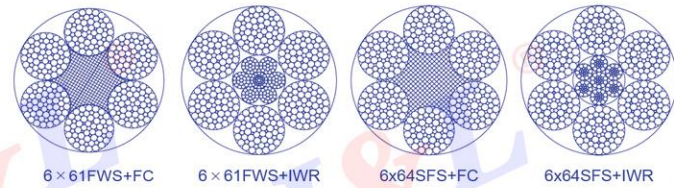
■ Rope type: 6X19(a) 6X37(a)

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)			Nominal Tensile Strength (MPa)												
				1570		1670		1770		1870		1960		2160		
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Minimum Breaking Strength (kN)												
			Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
16	97.3	95	107	133	143	141	152	150	161	158	170	166	179	182	197	
18	123	120	135	168	181	179	193	189	204	200	216	210	226	231	249	
20	152	148	167	207	224	220	238	234	252	247	266	259	279	285	308	
22	184	180	202	251	271	267	288	283	305	299	322	313	338	345	372	
24	219	214	241	298	322	317	342	336	363	355	383	373	402	411	443	
26	257	251	283	350	378	373	402	395	426	417	450	437	472	482	520	
28	298	291	328	406	438	432	466	458	494	484	522	507	547	559	603	
30	342	334	376	466	503	496	535	526	567	555	599	582	628	642	692	
32	389	380	428	531	572	564	609	598	645	632	682	662	715	730	787	
34	439	429	483	599	646	637	687	675	728	713	770	748	807	824	889	
36	492	481	542	671	724	714	770	757	817	800	863	838	904	924	997	
38	549	536	604	748	807	796	858	843	910	891	961	934	1010	1030	1110	
40	608	594	669	829	894	882	951	935	1010	987	1070	1030	1120	1140	1230	
42	670	654	737	914	986	972	1050	1030	1110	1090	1170	1140	1230	1260	1360	
44	736	718	809	1000	1080	1070	1150	1130	1220	1190	1290	1250	1350	1380	1490	
46	804	785	884	1100	1180	1170	1260	1240	1330	1310	1410	1370	1480	1510	1630	
48	876	855	963	1190	1290	1270	1370	1350	1450	1420	1530	1490	1610	1640	1770	
50	950	928	1040	1300	1400	1380	1490	1460	1580	1540	1660	1620	1740	1780	1920	
52	1030	1000	1130	1400	1510	1490	1610	1580	1700	1670	1800	1750	1890	1930	2080	
54	1110	1080	1220	1510	1630	1610	1730	1700	1840	1800	1940	1890	2030	2080	2240	
56	1190	1160	1310	1620	1750	1730	1860	1830	1980	1940	2090	2030	2190	2240	2410	
58	1280	1250	1410	1740	1880	1850	2000	1960	2120	2080	2240	2180	2350	2400	2590	
60	1370	1340	1500	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510	2570	2770	
62	1470	—	1610	1990	2150	2120	2290	2250	2420	2370	2560	2490	2680	—	—	
64	1570	—	1710	2120	2290	2260	2440	2390	2580	2530	2730	2650	2860	—	—	
66	1670	—	1820	2260	2430	2460	2590	2540	2740	2690	2900	2820	3040	—	—	
68	1770	—	1930	2400	2580	2550	2750	2700	2910	2850	3080	2990	3230	—	—	
70	1880	—	2050	2540	2740	2700	2910	2860	3090	3020	3260	3170	3420	—	—	
72	1990	—	2170	2690	2900	2860	3080	3030	3270	3200	3450	3350	3620	—	—	
74	2100	—	2290	2840	3060	3020	3260	3200	3450	3380	3650	3540	3820	—	—	
76	2210	—	2410	2990	3230	3180	3430	3370	3640	3560	3850	3740	4030	—	—	
78	2330	—	2540	3150	3400	3350	3620	3550	3830	3750	4050	3940	4250	—	—	
80	2450	—	2680	3320	3580	3530	3800	3740	4030	3950	4260	4140	4470	—	—	
82	2580	—	2810	3480	3760	3710	4000	3930	4240	4150	4480	4350	4690	—	—	
84	2700	—	2950	3660	3940	3890	4190	4120	4450	4350	4700	4560	4920	—	—	
86	2830	—	3090	3830	4130	4080	4400	4320	4660	4560	4920	4780	5160	—	—	
88	2970	—	3240	4010	4330	4270	4600	4520	4880	4780	5160	5010	5400	—	—	
90	3100	—	3390	4200	4530	4460	4820	4730	5100	5000	5390	5240	5650	—	—	
92	3240	—	3540	4390	4730	4660	5030	4940	5330	5220	5630	5470	5910	—	—	
94	3380	—	3690	4580	4940	4870	5250	5160	5570	5450	5890	5720	6170	—	—	
96	3530	—	3850	4770	5150	5080	5480	5380	5810	5690	6140	5960	6430	—	—	
98	3680	—	4010	4980	5370	5290	5710	5610	6050	5930	6390	6200	6700	—	—	
100	3830	—	4180	5180	5590	5510	5950	5840	6300	6170	6660	6470	6980	—	—	

Note : Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.226(fiber Core) or 1.321(steel core), thereinto, 6X37S fiber core is 1.191, steel core is 1.283.

ROUND STRAND WIRE ROPE

- Rope Type: 6X61(a)
- Rope Construction: 6×61FWS+FC 6×61FWS+IWR 6×64SFS+FC 6×64SFS+IWR
- Application: It is used in large hoisting crane, ships, offshore installations and salvage, etc.

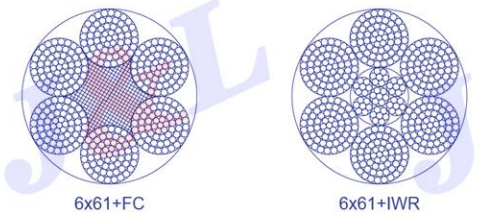


Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)									
			1570		1670		1770		1870		1960	
			Minimum Breaking Strength (kN)									
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
60	1390	1570	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510
62	1480	1670	1990	2150	2120	2290	2250	2420	2370	2560	2490	2680
64	1580	1780	2120	2290	2260	2440	2390	2580	2530	2730	2650	2860
66	1680	1890	2260	2430	2400	2590	2540	2740	2690	2900	2820	3040
68	1780	2010	2400	2580	2550	2750	2700	2910	2850	3080	2990	3230
70	1890	2130	2540	2740	2700	2910	2860	3090	3020	3260	3170	3420
72	2000	2260	2690	2900	2860	3080	3030	3270	3200	3450	3350	3620
74	2110	2380	2840	3060	3020	3260	3200	3450	3380	3650	3540	3820
76	2230	2510	2990	3230	3180	3430	3370	3640	3560	3850	3740	4030
78	2350	2650	3150	3400	3350	3620	3550	3830	3750	4050	3940	4250
80	2470	2780	3320	3580	3530	3800	3740	4030	3950	4260	4140	4470
82	2600	2920	3480	3760	3710	4000	3930	4240	4150	4480	4350	4690
84	2720	3070	3660	3940	3890	4190	4120	4450	4350	4700	4560	4920
86	2850	3220	3830	4130	4080	4400	4320	4660	4560	4920	4780	5160
88	2990	3370	4010	4330	4270	4600	4520	4880	4780	5160	5010	5400
90	3130	3520	4200	4530	4460	4820	4730	5100	5000	5390	5240	5650
92	3270	3680	4390	4730	4660	5030	4940	5330	5220	5630	5470	5910
94	3410	3840	4580	4940	4870	5250	5160	5570	5450	5890	5720	6170
96	3560	4010	4770	5150	5080	5480	5380	5810	5690	6140	5960	6430
98	3710	4180	4980	5370	5290	5710	5610	6050	5930	6390	6210	6700
100	3860	4350	5180	5590	5510	5950	5840	6300	6170	6660	6470	6980
102	4020	4530	5390	5820	5730	6190	6080	6560	6420	6930	6730	7260
104	4170	4700	5600	6050	5960	6430	6320	6820	6670	7200	7000	7550
106	4340	4890	5820	6280	6190	6680	6560	7080	6930	7480	7270	7840
108	4500	5070	6040	6520	6430	6930	6810	7350	7200	7760	7540	8140
110	4670	5260	6270	6760	6670	7190	7070	7620	7470	8060	7830	8440

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.219 (fiber Core) or 1.321(steel core).

ROUND STRAND WIRE ROPE

- Rope Type: 6X61(b)
- Rope Construction: 6X61+FC 6X61+IWR
- Application: It is used in heavy rigging, heavy-duty hoisting machinery, salvage, etc.



Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)										
			1570		1670		1770		1870		1960		
			Minimum Breaking Strength (kN)										
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
40	578	566	637	711	769	756	818	801	867	847	916	887	996
42	637	624	702	784	847	834	901	884	955	934	1010	978	1065
44	699	685	771	860	930	915	989	970	1050	1020	1110	1074	1169
46	764	749	842	940	1020	1000	1080	1060	1150	1120	1210	1174	1277
48	832	816	917	1020	1110	1090	1180	1150	1250	1220	1320	1278	1391
50	903	885	995	1110	1200	1180	1280	1250	1350	1320	1430	1387	1509
52	976	957	1080	1200	1300	1280	1380	1350	1460	1430	1550	1500	1632
54	1050	1030	1160	1300	1400	1380	1490	1460	1580	1540	1670	1617	1760
56	1130	1110	1250	1390	1510	1480	1600	1570	1700	1660	1790	1739	1893
58	1210	1190	1340	1490	1620	1590	1720	1690	1820	1780	1920	1866	2031
60	1300	1270	1430	1600	1730	1700	1840	1800	1950	1910	2060	2000	2160
62	1390	--	1530	1710	1850	1820	1960	1930	2080	2030	2200	2130	2310
64	1480	--	1630	1820	1970	1940	2090	2050	2220	2170	2340	2270	2460
66	1570	--	1730	1940	2090	2060	2230	2180	2360	2310	2490	2420	2610
68	1670	--	1840	2050	2220	2190	2360	2320	2500	2450	2650	2560	2770
70	1770	--	1950	2180	2350	2320	2500	2450	2650	2590	2800	2720	2940
72	1870	--	2060	2300	2490	2450	2650	2600	2810	2740	2970	2880	3110
74	1980	--	2180	2430	2630	2590	2800	2740	2970	2900	3130	3040	3280
76	2090	--	2300	2570	2770	2730	2950	2890	3130	3060	3310	3200	3460
78	2200	--	2420	2700	2920	2880	3110	3050	3300	3220	3480	3370	3650
80	2310	--	2550	2840	3070	3020	3270	3210	3470	3390	3660	3550	3840
82	2430	--	2680	2990	3230	3180	3440	3370	3640	3560	3850	3730	4030
84	2550	--	2810	3140	3390	3330	3610	3530	3820	3730	4040	3910	4230
86	2670	--	2940	3290	3550	3500	3780	3700	4010	3910	4230	4100	4440
88	2800	--	3080	3440	3720	3660	3960	3880	4190	4100	4430	4300	4640
90	2920	--	3220	3600	3890	3830	4140	4060	4390	4290	4630	4490	4860
92	3060	--	3370	3760	4070	4000	4330	4240	4580	4480	4840	4690	5080
94	3190	--	3520	3930	4240	4180	4520	4430	4790	4680	5060	4900	5300
96	3330	--	3670	4090	4430	4360	4710	4620	4990	4880	5270	5110	5530
98	3470	--	3820	4270	4610	4540	4910	4810	5200	5080	5500	5330	5760
100	3610	--	3980	4440	4800	4730	5110	5010	5420	5290	5720	5550	6000
102	3760	--	4140	4620	5000	4920	5320	5210	5640	5510	5950	5770	6240
104	3900	--	4300	4810	5200	5110	5530	5420	5860	5720	6190	6000	6490
106	4060	--	4470	4990	5400	5310	5740	5630	6090	5950	6430	6230	6740
108	4210	--	4640	5180	5600	5510	5960	5840	6320	6170	6670	6470	7000
110	4370	--	4820	5380	5810	5720	6180	6060	6550	6400	6920	6710	7260

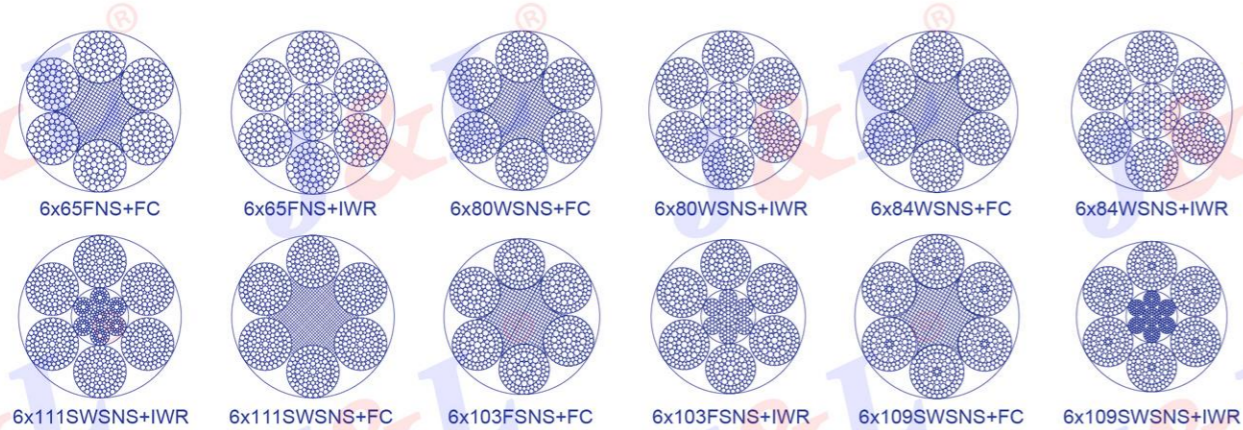
Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.301 (fiber Core) or 1.392(steel core).

ROUND STRAND WIRE ROPE

■ Rope Type: 6×61 (ab), 6×91 (ab)

■ Rope Construction: 6×65FNS+FC 6×65FNS+IWR 6×80WSNS+FC 6×80WSNS+IWR
 6×84WSNS+FC 6×84WSNS+IWR 6×111SWSNS+FC 6×111SWSNS+IWR
 6×103FNS+FC 6×103FNS+IWR 6×109SWSNS+FC 6×109SWSNS+IWR

■ Application: It is used in large hoisting crane, ships, offshore installations and salvage, etc.



Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)	Nominal Tensile Strength (MPa)										
		1570		1670		1770		1870		1960		
		Minimum Breaking Strength (kN)										
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
60	1370	1570	1800	1960	1910	2080	2030	2200	2140	2330	2240	2440
62	1460	1670	1920	2090	2040	2220	2160	2350	2290	2490	2400	2610
64	1560	1780	2040	2230	2180	2370	2310	2510	2440	2650	2550	2780
66	1660	1890	2170	2370	2310	2520	2450	2670	2590	2820	2720	2950
68	1760	2010	2310	2510	2460	2670	2600	2830	2750	2990	2880	3140
70	1860	2130	2450	2660	2600	2830	2760	3000	2910	3170	3050	3320
72	1970	2260	2590	2820	2750	3000	2920	3170	3080	3350	3230	3520
74	2080	2380	2730	2970	2910	3160	3080	3350	3260	3540	3410	3710
76	2190	2510	2880	3140	3070	3340	3250	3540	3430	3740	3600	3920
78	2310	2650	3040	3300	3230	3520	3420	3730	3620	3940	3790	4130
80	2430	2780	3200	3480	3400	3700	3600	3920	3810	4140	3990	4340
82	2560	2920	3360	3650	3570	3890	3780	4120	4000	4350	4190	4560
84	2680	3070	3520	3830	3750	4080	3970	4320	4200	4570	4400	4790
86	2810	3220	3690	4020	3930	4270	4160	4530	4400	4790	4610	5020
88	2940	3370	3870	4210	4110	4470	4360	4740	4610	5010	4830	5250
90	3080	3520	4040	4400	4300	4680	4560	4960	4820	5240	5050	5490
92	3220	3680	4280	4600	4490	4890	4760	5180	5030	5480	5280	5740
94	3360	3840	4410	4800	4690	5110	4970	5410	5250	5720	5510	5990

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.250 (fiber Core) or 1.330 (steel core).

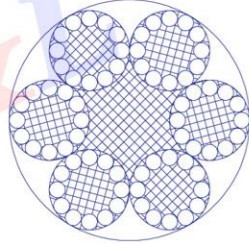
ROUND STRAND WIRE ROPE(CONTINUED TABLE)

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)	Nominal Tensile Strength (MPa)										
		1570		1670		1770		1870		1960		
		Minimum Breaking Strength (kN)										
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
96	3500	4010	4600	5010	4890	5330	5190	5640	5480	5960	5740	6250
98	3650	4180	4790	5220	5100	5550	5410	5880	5710	6210	5990	6510
100	3800	4350	4990	5430	5310	5780	5630	6120	5950	6470	6230	6780
102	3950	4530	5190	5650	5530	6010	5860	6370	6190	6730	6480	7060
104	4110	4700	5400	5880	5740	6250	6090	6620	6430	7000	6740	7330
106	4270	4890	5610	6100	5970	6490	6320	6880	6680	7270	7000	7620
108	4430	5070	5820	6340	6190	6740	6570	7140	6940	7550	7270	7910
110	4600	5260	6040	6570	6430	6990	6810	7410	7200	7830	7540	8210
112	4770	5460	6260	6810	6660	7250	7060	7680	7460	8120	7820	8510
114	4940	5650	6490	7060	6900	7510	7310	7960	7730	8410	8100	8810
116	5110	5850	6720	7310	7150	7780	7570	8240	8000	8710	8390	9130
118	5290	6060	6950	7560	7390	8050	7840	8530	8280	9010	8680	9440
120	5470	6260	7190	7820	7650	8320	8100	8820	8560	9320	8980	9770
122	5660	6470	7430	8090	7900	8600	8380	9120	8850	9630	9280	10100
124	5840	6690	7680	8350	8170	8880	8650	9420	9140	9950	9580	10400
126	6030	6910	7930	8620	8430	9170	8940	9720	9440	10300	9900	10800
128	6230	7130	8180	8900	8700	9470	9220	10000	9740	10600	10200	11100
130	6420	7350	8440	9180	8970	9770	9510	10300	10000	10900	10500	11500
132	6620	7580	8700	9470	9250	10100	9810	10700	10400	11300	10900	11800
134	6820	7810	8960	9750	9540	10400	10100	11000	10700	11600	11200	12200
136	7030	8050	9230	10000	9820	10700	10400	11300	11000	12000	11500	12500
138	7240	8280	9510	10300	10100	11000	10700	11700	11300	12300	11900	12900
140	7450	8530	9790	10600	10400	11300	11000	12000	11700	12700	12200	13300
142	7660	8770	10100	11000	10700	11700	11300	12300	12000	13000	12600	13700
144	7880	9020	10400	11300	11000	12000	11700	12700	12300	13400	12900	14100
146	8100	9270	10600	11600	11300	12300	12000	13100	12700	13800	13300	14500
148	8320	9530	10900	11900	11600	12700	12300	13400	13000	14200	13700	14900
150	8550	9790	11200	12200	11900	13000	12700	13800	13400	14600	14000	15300
152	8780	10100	11500	12600	12300	13300	13000	14100	13700	14900	14400	15700
154	9010	10300	11800	12900	12600	13700	13300	14500	14100	15300	14800	16100
156	9250	10600	12100	13200	12900	14100	13700	14900	14500	15700	15200	16500

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.250 (fiber Core) or 1.330 (steel core).

ROUND STRAND WIRE ROPE

- Rope Type: 6×12
- Rope Construction: 6×12+7FC
- Application: It is used in ship, binding, transportation, floating timber, etc.



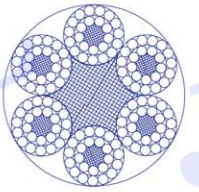
6x12+7FC

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)		
	Natural Fiber Core	Synthetic Fiber Core	1570	1670	1770
			Minimum Breaking Strength (kN)		
8	16.1	14.8	21	22.3	23.7
9	20.3	18.7	26.6	28.3	30
9.3	21.7	20	28.4	30.2	32
10	25.1	23.1	32.8	34.9	37
11	30.4	28	39.7	42.2	44.8
12	36.1	33.3	47.3	50.3	53.3
12.5	39.2	36.1	51.3	54.5	57.8
13	42.4	39	55.5	59	62.5
14	49.2	45.3	64.3	68.4	72.5
15.5	60.3	55.5	78.8	83.9	88.9
16	64.3	59.1	84	89.4	97.7
17	72.5	66.8	94.8	101	107
18	81.3	74.8	106	113	120
18.5	85.9	79.1	112	119	127
20	100	92.4	131	140	148
21.5	116	107	152	161	171
22	121	112	159	169	179
24	145	133	189	201	213
24.5	151	139	197	210	222
26	170	156	222	236	250
28	197	181	257	274	290
32	257	237	336	357	379

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.136.

ROUND STRAND WIRE ROPE

- Rope Type: 6×24
- Rope Construction: 6×24+7FC
- Application: It is used in ship, binding, transportation, floating timber, etc.



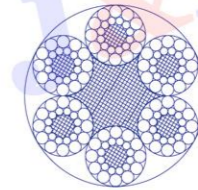
6x24+7FC

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)		
	Natural Fiber Core	Synthetic Fiber Core	1570	1670	1770
			Minimum Breaking Strength (kN)		
30	286	274	396	421	446
32	326	311	450	479	507
34	368	351	508	541	573
36	412	394	570	606	642
38	459	439	635	675	716
40	509	486	703	748	793
42	561	536	775	824	874
44	616	589	851	905	959
46	673	643	930	989	1040

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.150.

ROUND STRAND WIRE ROPE

- Rope Type: 6×24
- Rope Construction: 6×24S+7FC 6×24W+7FC
- Application: It is used in ship, binding, transportation, floating timber, etc.



6x24S+7FC



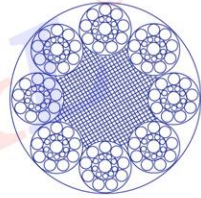
6x24W+7FC

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)		
	Natural Fiber Core	Synthetic Fiber Core	1570	1670	1770
			Minimum Breaking Strength (kN)		
14	64.9	61.9	90	95.3	101
16	84.7	80.9	117	124	132
18	107	102	148	157	167
20	132	126	183	194	206
22	160	153	221	235	249
24	191	182	263	280	297
26	224	214	309	329	348
28	260	248	358	381	404
30	298	284	411	437	464
32	339	324	468	498	527
34	383	365	528	562	595
36	429	410	592	630	668
38	478	456	660	702	744
40	530	506	731	778	824
42	584	557	806	857	909
44	641	612	885	941	997

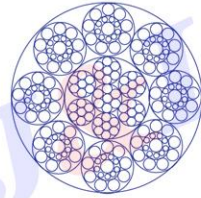
Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.150.

ROUND STRAND WIRE ROPE

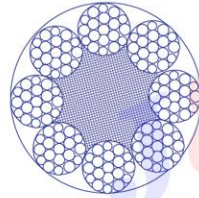
- Rope type: 8X19
- Rope Construction: 8×19S+FC 8×19S+IWR 8×19W+FC 8×19W+IWR
- Application: It is used in heavy lifting and other important uses of crane, steel wire rope for traction.



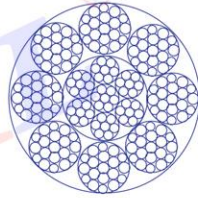
8x19S+FC



8x19S+IWR



8x19W+FC



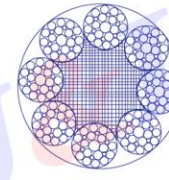
8x19W+IWR

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)												
			1570		1670		1770		1870		1960		2160		
			Minimum Breaking Strength (kN)												
Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	
16	88.7	85.4	108	118	139	125	148	133	157	140	166	147	174	162	191
18	112	108	137	149	176	159	187	168	198	178	210	186	220	205	242
20	139	133	169	184	217	196	231	207	245	219	259	230	271	253	299
22	168	162	204	223	263	237	280	251	296	265	313	278	328	306	362
24	199	192	243	265	313	282	333	299	353	316	373	331	391	365	430
26	234	226	285	311	367	331	391	351	414	370	437	388	458	428	505
28	271	262	331	361	426	384	453	407	480	430	507	450	532	496	586
30	312	300	380	414	489	440	520	467	551	493	582	517	610	570	673
32	355	342	432	471	556	501	592	531	627	561	663	588	694	648	765
34	400	386	488	532	628	566	668	600	708	633	748	664	784	732	864
36	449	432	547	596	704	634	749	672	794	710	839	744	879	820	969
38	500	482	609	664	784	707	834	749	884	791	934	829	979	914	1080
40	554	534	675	736	869	783	925	830	980	877	1040	919	1090	1010	1200
42	611	589	744	811	958	863	1020	915	1080	967	1140	1010	1200	1120	1320
44	670	646	817	891	1050	947	1120	1000	1190	1060	1250	1110	1310	1230	1450
46	733	706	893	973	1150	1040	1220	1100	1300	1160	1370	1220	1430	1340	1580
48	798	769	972	1060	1250	1130	1330	1190	1410	1260	1490	1320	1560	1460	1720
50	866	834	1050	1150	1350	1220	1440	1290	1530	1360	1610	1440	1690	--	--

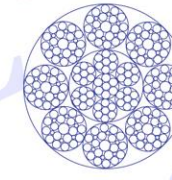
Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.214 (Fiber core) or 1.360(steel core).

ROUND STRAND WIRE ROPE

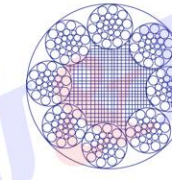
- Rope type: 8X19
- Rope Construction: 8×25Fi+FC 8×25Fi+IWR 8×31WS+FC 8×31WS+IWR 8x26WS+FC 8x26WS+IWR
- Application: It is used in heavy lifting and other important uses crane, steel wire rope for traction.



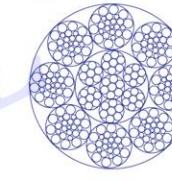
8x25Fi+FC



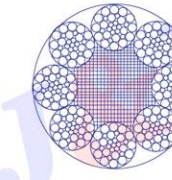
8x25Fi+IWR



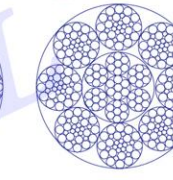
8x26WS+FC



8x26WS+IWR



8x31WS+FC



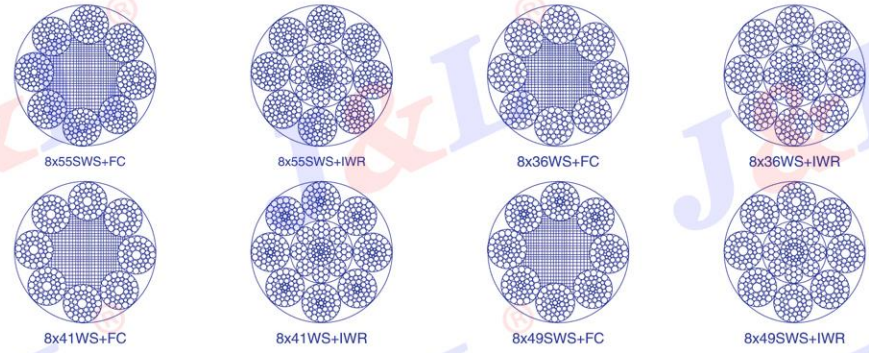
8x31WS+IWR

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)												
			1570		1670		1770		1870		1960		2160		
			Minimum Breaking Strength (kN)												
Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	
16	91.4	88.1	111	118	139	125	148	133	157	140	166	147	174	162	191
18	116	111	141	149	176	159	187	168	198	178	210	186	220	205	242
20	143	138	174	184	217	196	231	207	245	219	259	230	271	253	299
22	173	166	211	223	263	237	280	251	296	265	313	278	328	306	362
24	206	198	251	265	313	282	333	299	353	316	373	331	391	365	430
26	241	233	294	311	367	331	391	351	414	370	437	388	458	428	505
28	280	270	341	361	426	384	453	407	480	430	507	450	532	496	586
30	321	310	392	414	489	440	520	467	551	493	582	517	610	570	673
32	366	352	445	471	556	501	592	531	627	561	663	588	694	648	765
34	413	398	503	532	628	566	668	600	708	633	748	664	784	732	864
36	463	446	564	596	704	634	749	672	794	710	839	744	879	820	969
38	516	497	628	664	784	707	834	749	884	791	934	829	979	914	1080
40	571	550	696	736	869	783	925	830	980	877	1040	919	1090	1010	1230
42	630	607	767	811	958	863	1020	915	1080	967	1140	1010	1200	1120	1320
44	691	666	842	890	1050	947	1120	1000	1190	1060	1250	1110	1310	1230	1450
46	755	728	920	973	1150	1040	1220	1100	1300	1160	1370	1220	1430	1340	1580
48	823	793	1000	1060	1250	1130	1330	1190	1410	1260	1490	1320	1560	1460	1720
50	892	860	1090	1150	1360	1220	1440	1300	1530	1370	1620	1440	1700	1580	1870
52	965	930	1180	1240	1470	1320	1560	1400	1660	1480	1750	1550	1830	1710	2020
54	1040	1000	1270	1340	1580	1430	1680	1510	1790	1600	1890	1670	1980	1850	2180
56	1120	1080	1360	1440	1700	1530	1810	1630	1920	1720	2030	1800	2130	1980	2340
58	1200	1160	1460	1550	1830	1650	1940	1740	2060	1840	2180	1930	2280	2130	2510
60	1290	1240	1570	1660	1960	1760	2080	1870	2200	1970	2330	2070	2440	2280	2690

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.226 (Fiber core) or 1.374(steel core).

ROUND STRAND WIRE ROPE

- Rope type: 8×37(a)
- Rope Construction: 8×55SWS+FC 8×55SWS+IWR 8×36WS+FC 8×36WS+IWR 8×41WS+FC 8×41WS+IWR 8×49SWS+FC 8×49SWS+IWR
- Application : 8×36WS、8×41WS、8×49SWS : It is used in heavy lifting and other important uses of crane, salvage.
8×49SWS、8×55SWS : It is used in large hoisting crane, ships, offshore installations, salvage, etc.



Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)												
			1570		1670		1770		1870		1960		2160		
			Minimum Breaking Strength (kN)												
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
18	116	111	141	149	176	159	187	168	198	178	210	186	220	205	242
20	143	138	174	184	217	196	231	207	245	219	259	230	271	253	299
22	173	166	211	223	263	237	280	251	296	265	313	278	328	306	362
24	206	198	251	265	313	282	333	299	353	316	373	331	391	365	430
26	241	233	294	311	367	331	391	351	414	370	437	388	458	428	505
28	280	270	341	361	426	384	453	407	480	430	507	450	532	496	586
30	321	310	392	414	489	440	520	467	551	493	582	517	610	570	673
32	366	352	445	471	556	501	592	531	627	561	663	588	694	648	765
34	413	398	503	532	628	566	668	600	708	633	748	664	784	732	864
36	463	446	564	596	704	634	749	672	794	710	839	744	879	820	969
38	516	497	628	664	784	707	834	749	884	791	934	829	979	914	1080
40	571	550	696	736	869	783	925	830	980	877	1040	919	1090	1010	1230
42	630	607	767	811	958	863	1020	915	1080	967	1140	1010	1200	1120	1320
44	691	666	842	890	1050	947	1120	1000	1190	1060	1250	1110	1310	1230	1450
46	755	728	920	973	1150	1040	1220	1100	1300	1160	1370	1220	1430	1340	1580
48	823	793	1000	1060	1250	1130	1330	1190	1410	1260	1490	1320	1560	1460	1720
50	892	860	1090	1150	1360	1220	1440	1300	1530	1370	1620	1440	1700	1580	1870
52	965	930	1180	1240	1470	1320	1560	1400	1660	1480	1750	1550	1830	1710	2020
54	1040	1000	1270	1340	1580	1430	1680	1510	1790	1600	1890	1670	1980	1850	2180

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.226 (Fiber core) or 1.374(steel core).

ROUND STRAND WIRE ROPE

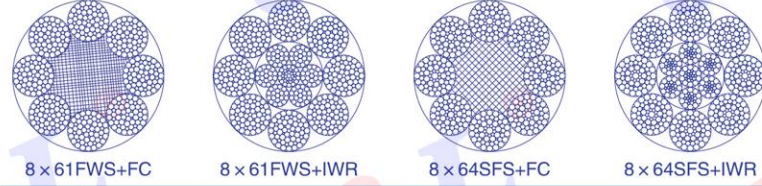
- Rope type: 8×37(a)

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)												
			1570		1670		1770		1870		1960		2160		
			Minimum Breaking Strength (kN)												
	Natural Fiber Core	Synthetic Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
56	1120	1080	1360	1440	1700	1530	1810	1630	1920	1720	2030	1800	2130	1980	2340
58	1200	1160	1460	1550	1830	1650	1940	1740	2060	1840	2180	1930	2280	2130	2510
60	1290	1240	1570	1660	1960	1760	2080	1870	2200	1970	2330	2070	2440	2280	2690
62	1440	--	1710	1770	2090	1880	2220	1990	2350	2110	2490	2210	2610	--	--
64	1540	--	1820	1880	2230	2000	2370	2120	2510	2240	2650	2350	2780	--	--
66	1630	--	1940	2000	2370	2130	2520	2260	2670	2390	2820	2500	2950	--	--
68	1730	--	2060	2130	2510	2260	2670	2400	2830	2530	2990	2660	3140	--	--
70	1840	--	2180	2250	2660	2400	2830	2540	3000	2680	3170	2810	3320	--	--
72	1940	--	2310	2380	2820	2540	3000	2690	3170	2840	3350	2980	3520	--	--
74	2050	--	2440	2520	2970	2680	3160	2840	3350	3000	3540	3140	3710	--	--
76	2170	--	2570	2660	3140	2830	3340	3000	3540	3160	3740	3320	3920	--	--
78	2280	--	2710	2800	3300	2980	3520	3160	3730	3330	3940	3490	4130	--	--
80	2400	--	2850	2940	3480	3130	3700	3320	3920	3510	4140	3680	4340	--	--
82	2520	--	2990	3090	3650	3290	3890	3490	4120	3680	4350	3860	4560	--	--
84	2650	--	3140	3250	3830	3450	4080	3660	4320	3870	4570	4050	4790	--	--
86	2770	--	3290	3400	4020	3620	4270	3840	4530	4050	4790	4250	5020	--	--
88	2900	--	3450	3560	4210	3790	4470	4020	4740	4240	5010	4450	5250	--	--
90	3040	--	3600	3730	4400	3960	4680	4200	4960	4440	5240	4650	5490	--	--
92	3170	--	3770	3890	4600	4140	4890	4390	5180	4640	5480	4860	5740	--	--
94	3310	--	3930	4060	4800	4320	5110	4580	5410	4840	5720	5070	5990	--	--
96	3460	--	4100	4240	5010	4510	5330	4780	5640	5050	5960	5290	6250	--	--
98	3600	--	4270	4420	5220	4700	5550	4980	5880	5260	6210	5520	6510	--	--
100	3750	--	4450	4600	5430	4890	5780	5190	6120	5480	6470	5740	6780	--	--
102	3900	--	4630	4790	5650	5090	6010	5400	6370	5700	6730	5970	7060	--	--
104	4060	--	4810	4980	5880	5290	6250	5610	6620	5930	7000	6210	7330	--	--
106	4210	--	5000	5170	6100	5500	6490	5830	6880	6160	7270	6450	7620	--	--
108	4370	--	5190	5370	6340	5710	6740	6050	7140	6390	7550	6700	7910	--	--
110	4540	--	5380	5570	6570	5920	6990	6280	7410	6630	7830	6950	8210	--	--
112	4700	--	5580	5770	6810	6140	7250	6510	7680	6870	8120	7200	8510	--	--
114	4870	--	5780	5980	7060	6360	7510	6740	7960	7120	8410	7460	8810	--	--
116	5050	--	5990	6190	7310	6580	7780	6980	8240	7370	8710	7730	9130	--	--
118	5220	--	6200	6410	7560	6810	8050	7220	8530	7630	9010	8000	9440	--	--
120	5400	--	6410	6620	7820	7050	8320	7470	8820	7890	9320	8270	9770	--	--
122	5660	--	6770	6850	8090	7280	8600	7720	9120	8160	9630	8550	10100	--	--
124	5840	--	7000	7070	8530	7520	8880	7970	9420	8420	9950	8830	10400	--	--

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.226 (Fiber core) or 1.374(steel core).

ROUND STRAND WIRE ROPE

- Rope type: 8X61(a)
- Rope Construction: 8×61FWS+FC 8×61FWS+IWR 8×64SFS+FC 8×64SFS+IWR
- Application: It is used in large hoisting crane, ships, offshore installations, salvage, etc.

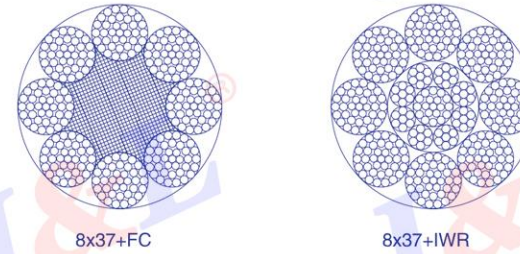


Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)									
			1570		1670		1770		1870		1960	
	Fiber Core	Steel Core	Minimum Breaking Strength (kN)									
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
60	1290	1570	1660	1960	1760	2080	1870	2200	1970	2330	2070	2440
62	1460	1750	1770	2090	1880	2220	1990	2350	2110	2490	2210	2610
64	1560	1860	1880	2230	2000	2370	2120	2510	2240	2650	2350	2780
66	1660	1980	2000	2370	2130	2520	2260	2670	2390	2820	2500	2950
68	1760	2100	2130	2510	2260	2670	2400	2830	2530	2990	2660	3140
70	1860	2230	2250	2660	2400	2830	2540	3000	2680	3170	2810	3320
72	1970	2360	2380	2820	2540	3000	2690	3170	2840	3350	2980	3520
74	2080	2490	2520	2970	2680	3160	2840	3350	3000	3540	3140	3710
76	2190	2630	2660	3140	2830	3340	3000	3540	3160	3740	3320	3920
78	2310	2770	2800	3300	2980	3520	3160	3730	3330	3940	3490	4130
80	2430	2910	2940	3480	3130	3700	3320	3920	3510	4140	3680	4340
82	2560	3060	3090	3650	3290	3890	3490	4120	3680	4350	3860	4560
84	2680	3210	3250	3830	3450	4080	3660	4320	3870	4570	4050	4790
86	2810	3370	3400	4020	3620	4270	3840	4530	4050	4790	4250	5020
88	2940	3520	3560	4210	3790	4470	4020	4740	4240	5010	4450	5250
90	3080	3690	3730	4400	3960	4680	4200	4960	4440	5240	4650	5490
92	3220	3850	3890	4600	4140	4890	4390	5180	4640	5480	4860	5740
94	3360	4020	4060	4800	4320	5110	4580	5410	4840	5720	5070	5990
96	3500	4190	4240	5010	4510	5330	4780	5640	5050	5960	5290	6250
98	3650	4370	4420	5220	4700	5550	4980	5880	5260	6210	5520	6510
100	3800	4550	4600	5430	4890	5780	5190	6120	5480	6470	5740	6780
102	3950	4730	4790	5650	5090	6010	5400	6370	5700	6730	5970	7060
104	4110	4920	4980	5880	5290	6250	5610	6620	5930	7000	6210	7330
106	4270	5110	5170	6100	5500	6490	5830	6880	6160	7270	6450	7620
108	4430	5310	5370	6340	5710	6740	6050	7140	6390	7550	6700	7910
110	4600	5510	5570	6570	5920	6990	6280	7410	6630	7830	6950	8210
112	4770	5710	5770	6810	6140	7250	6510	7680	6870	8120	7200	8510
114	4940	5910	5980	7060	6360	7510	6740	7960	7120	8410	7460	8810
116	5110	6120	6190	7310	6580	7780	6980	8240	7370	8710	7730	9130
118	5290	6340	6410	7560	6810	8050	7220	8530	7630	9010	8000	9440
120	5470	6550	6620	7820	7050	8320	7470	8820	7890	9320	8270	9770
122	5660	6770	6850	8090	7280	8600	7720	9120	8160	9630	8550	10100
124	5840	7000	7070	8350	7520	8880	7970	9420	8420	9950	8830	10400
126	6030	7220	7300	8620	7770	9170	8230	9720	8700	10300	9120	10800
128	6230	7450	7540	8900	8020	9470	8500	10000	8980	10600	9410	11100
130	6420	7690	7770	9180	8270	9770	8760	10300	9260	10900	9710	11500
132	6620	7930	8020	9470	8530	10100	9040	10700	9550	11300	10000	11800
134	6820	8170	8260	9750	8790	10400	9310	11000	9840	11600	10300	12200
136	7030	8420	8510	10000	9050	10700	9590	11300	10100	12000	10600	12500

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.234 (Fiber core) or 1.374(steel core).

ROUND STRAND WIRE ROPE

- Rope type: 8X37(b)
- Rope Construction: 8X37
- Application: It is used in large hoisting crane, ships, offshore installations and salvage, etc.



Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)									
			1570		1670		1770		1870		1960	
	Fiber Core	Steel Core	Minimum Breaking Strength (kN)									
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
60	1280	1510	1480	1750	1570	1860	1660	1980	1760	2090	1840	2190
62	1370	1610	1580	1870	1680	1990	1780	2110	1880	2230	1970	2340
64	1460	1720	1680	1990	1790	2120	1890	2250	2000	2370	2100	2490
66	1550	1830	1780	2120	1900	2260	2010	2390	2130	2530	2230	2650
68	1650	1940	1890	2250	2020	2390	2140	2540	2260	2680	2370	2810
70	1740	2060	2010	2380	2140	2540	2260	2690	2390	2840	2510	2980
72	1850	2180	2120	2520	2260	2680	2390	2840	2530	3010	2650	3150
74	1950	2300	2240	2670	2390	2830	2530	3000	2670	3170	2800	3330
76	2060	2430	2370	2810	2520	2990	2670	3170	2820	3350	2950	3510
78	2170	2560	2490	2960	2650	3150	2810	3340	2970	3530	3110	3700
80	2280	2690	2620	3110	2790	3310	2960	3510	3120	3710	3270	3890
82	2390	2820	2760	3270	2930	3480	3110	3690	3280	3900	3440	4090
84	2510	2960	2890	3430	3080	3650	3260	3870	3440	4090	3610	4290
86	2630	3110	3030	3600	3220	3830	3420	4060	3610	4290	3780	4490

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.300 (Fiber core) or 1.448(steel core).

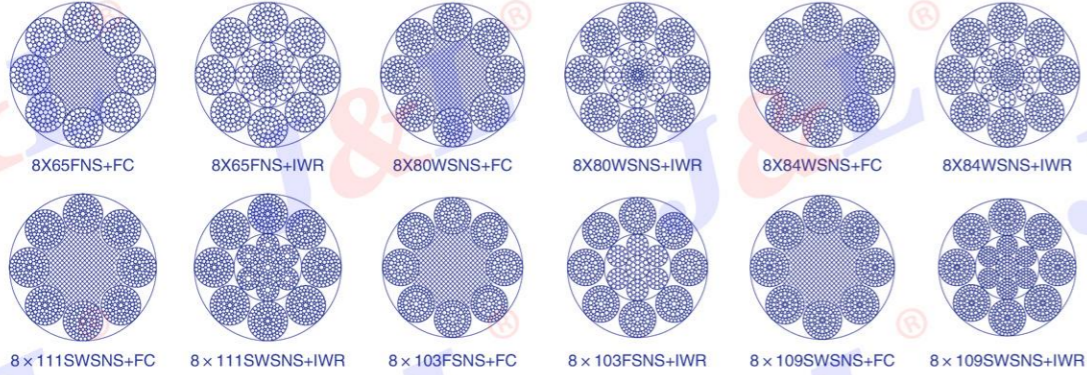


ROUND STRAND WIRE ROPE

■ Rope type: 8×61 (ab), 8×91 (ab)

■ Rope Construction: 8×65FNS+FC 8×65FNS+IWR 8×80WSNS+FC 8×80WSNS+IWR
 8×84WSNS+FC 8×84WSNS+IWR 8×111SWSNS+FC 8×111SWSNS+IWR
 8×103FNS+FC 8×103FNS+IWR 8×109SWSNS+FC 8×109SWSNS+IWR

■ Application: It is used in large hoisting crane, ships, offshore installations and salvage, etc.



Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)	Nominal Tensile Strength (MPa)										
		1570		1670		1770		1870		1960		
		Minimum Breaking Strength (kN)										
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
60	1330	1590	1530	1900	1620	2020	1720	2140	1820	2260	1910	2370
62	1420	1700	1630	2030	1730	2160	1840	2290	1940	2420	2030	2530
64	1520	1810	1740	2160	1850	2300	1960	2440	2070	2570	2170	2700
66	1610	1930	1850	2300	1960	2440	2080	2950	2200	2740	2310	2870
68	1710	2050	1960	2440	2080	2590	2210	2750	2330	2910	2450	3050
70	1810	2170	2080	2580	2210	2750	2340	2910	2470	3080	2590	3230
72	1920	2300	2200	2730	2340	2910	2480	3080	2620	3260	2740	3410
74	2030	2430	2320	2890	2470	3070	2620	3260	2760	3440	2900	3610
76	2140	2560	2450	3050	2600	3240	2760	3440	2920	3630	3060	3800
78	2250	2700	2580	3210	2740	3410	2910	3620	3070	3820	3220	4010
80	2370	2840	2710	3380	2890	3590	3060	3810	3230	4020	3390	4210
82	2490	2980	2850	3550	3030	3770	3210	4000	3390	4220	3560	4430
84	2610	3130	2990	3720	3180	3960	3370	4200	3560	4430	3730	4650
86	2740	3280	3140	3900	3330	4150	3530	4400	3730	4650	3910	4870
88	2870	3430	3280	4090	3490	4350	3700	4610	3910	4870	4100	5100
90	3000	3590	3430	4270	3650	4550	3870	4820	4090	5090	4290	5330
92	3130	3750	3590	4460	3820	4750	4040	5030	4270	5320	4480	5570
94	3270	3910	3750	4660	3980	4960	4220	5250	4460	5550	4680	5820
96	3410	4080	3910	4860	4160	5170	4400	5480	4650	5790	4880	6070
98	3550	4250	4070	5070	4330	5390	4590	5710	4850	6030	5080	6320
100	3700	4430	4240	5280	4510	5610	4780	5950	5050	6280	5290	6590
102	3850	4610	4410	5490	4690	5840	4970	6190	5250	6540	5510	6850
104	4000	4790	4580	5710	4880	6070	5170	6430	5460	6800	5720	7120
106	4160	4980	4760	5930	5070	6300	5370	6680	5670	7060	5950	7400

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.280 (Fiber core) or 1.398(steel core).

ROUND STRAND WIRE ROPE(CONTINUED TABLE)

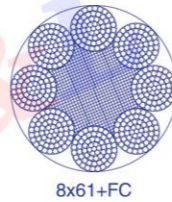
■ Rope type: 8×61 (ab), 8×91 (ab)

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)	Nominal Tensile Strength (MPa)										
		1570		1670		1770		1870		1960		
		Minimum Breaking Strength (kN)										
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
108	4320	5170	4940	6150	5260	6540	5570	6940	5890	7330	6170	7680
110	4480	5360	5130	6380	5460	6790	5780	7200	6110	7600	6400	7970
112	4640	5560	5320	6620	5660	7040	5990	7460	6330	7880	6640	8260
114	4810	5760	5510	6860	5860	7290	6210	7730	6560	8170	6880	8560
116	4980	5960	5700	7100	6070	7550	6430	8000	6790	8450	7120	8860
118	5150	6170	5900	7350	6280	7810	6650	8280	7030	8750	7370	9170
120	5330	6380	6100	7600	6490	8080	6880	8560	7270	9050	7620	9480
122	5510	6590	6310	7850	6710	8350	7110	8850	7510	9350	7880	9800
124	5690	6810	6520	8110	6930	8630	7350	9140	7760	9660	8140	10100
126	5870	7030	6730	8370	7160	8910	7590	9440	8020	9980	8400	10500
128	6060	7260	6950	8640	7390	9190	7830	9740	8270	10300	8670	10800
130	6250	7490	7160	8920	7620	9480	8080	10100	8530	10600	8940	11100
132	6450	7720	7390	9190	7860	9780	8330	10400	8800	10900	9220	11500
134	6640	7950	7610	9470	8100	10100	8580	10700	9070	11300	9500	11800
136	6840	8190	7840	9760	8340	10400	8840	11000	9340	11600	9790	12200
138	7050	8440	8070	10000	8590	10700	9100	11300	9620	12000	10100	12500
140	7250	8680	8310	10300	8840	11000	9370	11700	9900	12300	10400	12900
142	7460	8930	8550	10600	9090	11300	9640	12000	10200	12700	10700	13300
144	7670	9190	8790	10900	9350	11600	9910	12300	10500	13000	11000	13700
146	7890	9440	9040	11200	9610	12000	10200	12700	10800	13400	11300	14000
148	8100	9700	9290	11600	9880	12300	10500	13000	11100	13800	11600	14400
150	8330	9970	9540	11900	10100	12600	10800	13400	11400	14100	11900	14800
152	8550	10200	9790	12200	10400	13000	11000	13700	11700	14500	12200	15200
154	8770	10500	10100	12500	10700	13300	11300	14100	12000	14900	12600	15600
156	9000	10800	10300	12800	11000	13700	11600	14500	12300	15300	12900	16000
158	9240	11100	10600	13200	11300	14000	11900	14800	12600	15700	13200	16400
160	9470	11300	10900	13500	11500	14400	12200	15200	12900	16100	13500	16900
162	9710	11600	11100	13800	11800	14700	12500	15600	13300	16500	13900	17300
164	9950	11900	11400	14200	12100	15100	12900	16000	13600	16900	14200	17700
166	10200	12200	11700	14500	12400	15500	13200	16400	13900	17300	14600	18100
168	10400	12500	12000	14900	12700	15800	13500	16800	14300	17700	14900	18600
170	10700	12800	12300	15200	13000	16200	13800	17200	14600	18200	15300	19000
172	10900	13100	12500	15600	13300	16600	14100	17600	14900	18600	15700	19500
174	11200	13400	12800	16000	13700	17000	14500	18000	15300	19000	16000	19900
176	11500	13700	13100	16300	14000	17400	14800	18400	15600	19500	16400	20400
178	11700	14000	13400	16700	14300	17800	15100	18800	16000	19900	16800	20900
180	12000	14400	13700	17100	14600	18200	15500	19300	16400	20400	17100	21300
182	12300	14700	14000	17500	14900	18600	15800	19700	16700	20800	17500	21800
184	12500	15000	14400	17900	15300	19000	16200	20100	17100	21300	17900	22300
186	12800	15300	14700	18300	15600	19400	16500	20600	17500	21700	18300	22800
188	13100	15700	15000	18600	15900	19800	16900	21000	17800	22200	18700	23300
190	13400	16000	15300	19000	16300	20300	17300	21500	18200	22700	19100	23800

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.280 (Fiber core) or 1.398(steel core).

ROUND STRAND WIRE ROPE

- Rope type: 8×61 (b)
- Rope Construction: 8X61+FC 8X61+IWR
- Application: It is used in large hoisting crane, ships, offshore installations and salvage, etc.



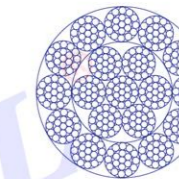
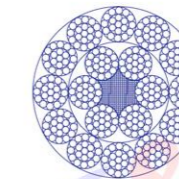
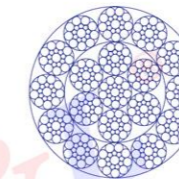
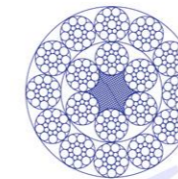
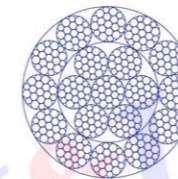
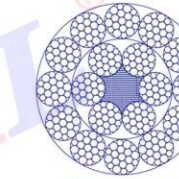
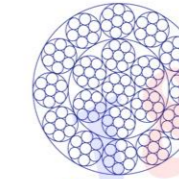
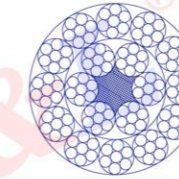
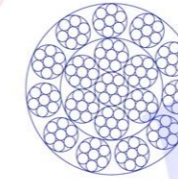
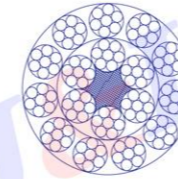
Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)									
			1570		1670		1770		1870		1960	
			Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
60	1280	1490	1420	1680	1510	1790	1600	1890	1690	2000	1770	2100
62	1370	1600	1510	1790	1610	1910	1710	2020	1800	2130	1890	2240
64	1460	1700	1610	1910	1720	2030	1820	2150	1920	2270	2020	2380
66	1550	1810	1720	2030	1830	2160	1940	2290	2040	2420	2140	2540
68	1650	1920	1820	2160	1940	2290	2050	2430	2170	2570	2270	2690
70	1740	2030	1930	2280	2050	2430	2180	2580	2300	2720	2410	2850
72	1850	2150	2040	2420	2170	2570	2300	2730	2430	2880	2550	3020
74	1950	2270	2160	2550	2300	2720	2430	2880	2570	3040	2690	3190
76	2060	2400	2280	2690	2420	2860	2570	3040	2710	3210	2840	3360
78	2170	2520	2400	2840	2550	3020	2700	3200	2860	3380	2990	3540
80	2280	2660	2520	2980	2680	3170	2840	3360	3000	3550	3150	3730
82	2390	2790	2650	3140	2820	3340	2990	3530	3160	3730	3310	3910
84	2510	2930	2780	3290	2960	3500	3130	3710	3310	3920	3470	4110
86	2630	3070	2910	3450	3100	3670	3290	3890	3470	4110	3640	4310
88	2760	3210	3050	3610	3250	3840	3440	4070	3630	4300	3810	4510
90	2880	3360	3190	3780	3400	4020	3600	4260	3800	4500	3980	4720
92	3010	3510	3340	3950	3550	4200	3760	4450	3970	4700	4160	4930
94	3150	3670	3480	4120	3700	4380	3930	4640	4150	4910	4350	5140
96	3280	3820	3630	4300	3860	4570	4090	4840	4330	5120	4530	5360
98	3420	3990	3780	4480	4030	4760	4270	5050	4510	5330	4720	5590
100	3560	4150	3940	4660	4190	4960	4440	5260	4690	5550	4920	5820
102	3700	4320	4100	4850	4360	5160	4620	5470	4880	5780	5120	6060
104	3850	4490	4260	5040	4530	5360	4810	5690	5080	6010	5320	6300
106	4000	4660	4430	5240	4710	5570	4990	5910	5270	6240	5530	6540
108	4150	4840	4600	5440	4890	5790	5180	6130	5470	6480	5740	6790
110	4310	5020	4770	5640	5070	6000	5380	6360	5680	6720	5950	7040
112	4470	5210	4940	5850	5260	6220	5570	6590	5890	6970	6170	7300
114	4630	5390	5120	6060	5450	6450	5770	6830	6100	7220	6390	7570
116	4790	5580	5300	6270	5640	6670	5980	7070	6320	7470	6620	7830
118	4960	5780	5490	6490	5840	6910	6190	7320	6540	7730	6850	8110
120	5130	5980	5670	6710	6040	7140	6400	7570	6760	8000	7080	8380
122	5300	6180	5870	6940	6240	7380	6610	7820	6990	8270	7320	8660
124	5470	6380	6060	7170	6450	7630	6830	8080	7220	8540	7560	8950
126	5650	6590	6260	7400	6650	7870	7050	8350	7450	8820	7810	9240
128	5830	6800	6460	7640	6870	8130	7280	8610	7690	9100	8060	9540
130	6020	7010	6660	7880	7080	8380	7510	8880	7930	9390	8310	9840
132	6200	7230	6870	8120	7300	8640	7740	9160	8180	9680	8570	10100
134	6390	7450	7080	8370	7530	8910	7980	9440	8430	9970	8830	10500

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.332 (Fiber core) or 1.483(steel core).

ROUND STRAND WIRE ROPE

- Rope type: 18X7 18X19
- Rope Construction: 17X7+FC 17X7+IWS 18X7+FC 18X7+IWS 18X19W+FC 18X19W+IWS 18X19S+FC 18X19S+IWS 18X19+FC 18X19+IWS
- Application:

17×7, 18×7: It is used in sub-vertical lifting of the wire rope Irrigation canal, sub-vertical balanced rope (only interactive twist) and lifting machinery.
 18×19W, 18×19S, 18×19 : used in Port handling, water conservancy and construction tower cranes, Shipping handling.

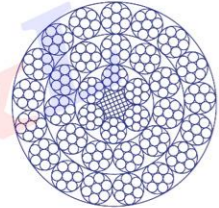


Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)											
			1570		1670		1770		1870		1960		2160	
			Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
12	56.2	61.9	70.1	74.2	74.5	78.9	79	83.6	83.5	88.3	87.5	92.6	96.4	102
13	65.9	72.7	82.3	87	87.5	92.6	92.7	98.1	98	104	103	109	113	120
14	76.4	84.3	95.4	101	101	107	108	114	114	120	119	126	131	139
16	99.8	110	125	132	133	140	140	149	148	157	156	165	171	181
18	126	139	158	167	168	177	178	188	188	199	197	208	217	230
20	156	172	195	206	207	219	219	232	232	245	243	257	268	283
22	189	208	236	249	251	265	266	281	281	297	294	311	324	343
24	225	248	280	297	298	316	316	334	334	353	350	370	386	408
26	264	291	329	348	350	370	371	392	392	415	411	435	453	479
28	306	337	382	404	406	429	430	455	454	481	476	504	525	555
30	351	387	438	463	466	493	494	523	522	552	547	579	603	638
32	399	440	498	527	530	561	562	594	594	628	622	658	686	725
34	451	497	563	595	598	633	634	671	670	709	702	743	774	819
36	505	557	631	667	671	710	711	752	751	795	787	833	868	918
38	563	621	703	744	748	791	792	838	837	886	877	928	967	1020
40	624	688	779	824	828	876	878	928	928	981	972	1030	1070	1130
42	688	759	859	908	913	966	968	1020	1020	1080	1070	1130	1180	1250
44	755	830	942	997	1000	1060	1060	1120	1120	1190	1180	1240	1300	1370
46	825	910	1030	1090	1100	1160	1160	1230	1230	1300	1290	1360	--	--
48	899	991	1120	1190	1190	1260	1260	1340	1340	1410	1400	1480	--	--
50	975	1080	1220	1290	1290	1370	1370	1450	1450	1530	1520	1610	--	--

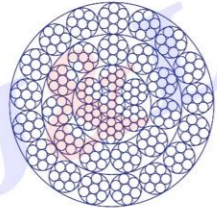
Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope x 1.283 (Fiber core), and for 17×7, it's 1.250.

ROUND STRAND WIRE ROPE

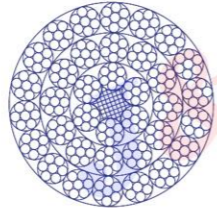
- Rope type :34X7
- Rope Construction: 34X7+FC 34X7+IWS 36X7+FC 36X7+IWS
- Application: used in sub-vertical balanced rope (only interactive twist), Port handling, water conservancy and construction tower cranes, Shipping handling.



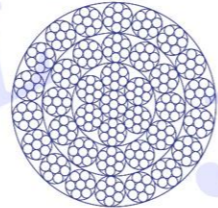
34x7+FC



34x7+IWS



36x7+FC



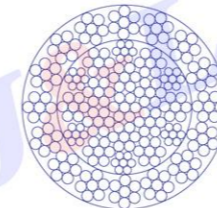
36x7+IWS

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)							
			1570		1670		1770		1870	
	Fiber Core	Steel Core	Minimum Breaking Strength (kN)							
	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core	Fiber Core	Steel Core
16	99.8	110	124	128	132	136	140	144	147	152
18	126	139	157	162	167	172	177	182	187	193
20	156	172	193	200	206	212	218	225	230	238
22	189	208	234	242	249	257	264	272	279	288
24	225	248	279	288	296	306	314	324	332	343
26	264	291	327	337	348	359	369	380	389	402
28	306	337	379	391	403	416	427	441	452	466
30	351	387	435	449	463	478	491	507	518	535
32	399	440	495	511	527	544	558	576	590	609
34	451	497	559	577	595	614	630	651	666	687
36	505	557	627	647	667	688	707	729	746	771
38	563	621	698	721	743	767	787	813	832	859
40	624	688	774	799	823	850	872	901	922	951
42	688	759	853	881	907	937	962	993	1020	1050
44	755	832	936	967	996	1030	1060	1090	1120	1150
46	825	910	1020	1060	1090	1120	1150	1190	1220	1260
48	899	991	1110	1150	1190	1220	1260	1300	1330	1370
50	975	1080	1210	1250	1290	1330	1360	1410	1440	1490
52	1050	1160	1310	1350	1390	1440	1470	1520	1560	1610
54	1140	1250	1410	1460	1500	1550	1590	1640	1680	1730
56	1220	1350	1520	1570	1610	1670	1710	1770	1810	1860
58	1310	1450	1630	1680	1730	1790	1830	1890	1940	2000
60	1400	1550	1740	1800	1850	1910	1960	2030	2070	2140

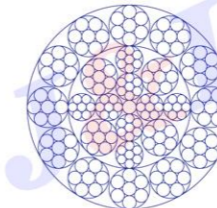
Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X 1.334 , for 34X7 , it is 1.300.

ROUND STRAND WIRE ROPE

- Rope type :35WX7
- Rope Construction: 35WX7 24WX7
- Application: It is used in sub-vertical lifting of the wire rope Irrigation canal, sub-vertical balanced rope (only interactive twist), Port handling, water conservancy and construction tower cranes, Shipping handling.



35Wx7



24Wx7

Rope Nominal Diameter (mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength (MPa)					
			1570		1670		1770	
	Minimum Breaking Strength (kN)						1960	2160
16	118	145	154	163	172	181	199	
18	149	183	195	206	218	229	252	
20	184	226	240	255	269	282	311	
22	223	274	291	308	326	342	376	
24	265	326	346	367	388	406	448	
26	311	382	406	431	455	477	526	
28	361	443	471	500	528	553	610	
30	414	509	541	573	606	635	700	
32	471	579	616	652	689	723	796	
34	532	653	695	737	778	816	899	
36	596	732	779	826	872	914	1010	
38	664	816	868	920	972	1020	1120	
40	736	904	962	1020	1080	1130	1240	
42	811	997	1060	1120	1190	1240	1370	
44	891	1090	1160	1230	1300	1370	1510	
46	973	1200	1270	1350	1420	1490	1650	
48	1060	1300	1390	1470	1550	1630	1790	
50	1150	1410	1500	1590	1680	1760	1940	
52	1240	1530	1630	1720	1820	1910	--	
54	1340	1650	1750	1860	1960	2060	--	
56	1440	1770	1890	2000	2110	2210	--	
58	1550	1900	2020	2140	2260	2370	--	
60	1660	2030	2160	2290	2420	2540	--	

Note: Steel wire min. aggregate breaking strength = Min. breaking strength of steel wire rope X1.287.