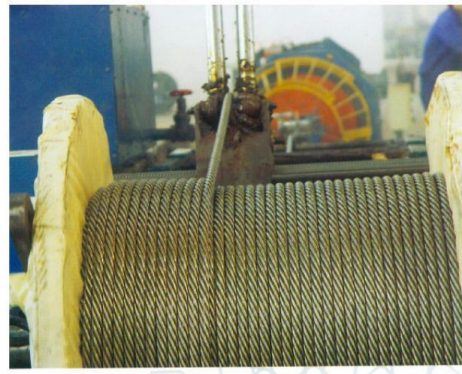


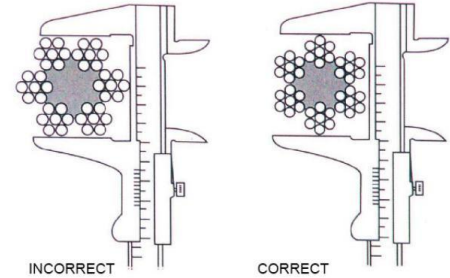
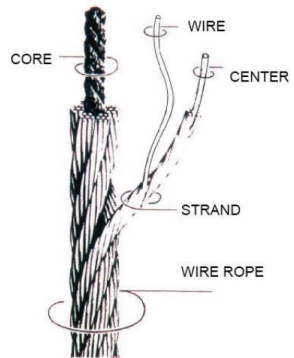
WIRE ROPE



VENIT
 WWW.QDVENIT.COM
WIRE ROPE



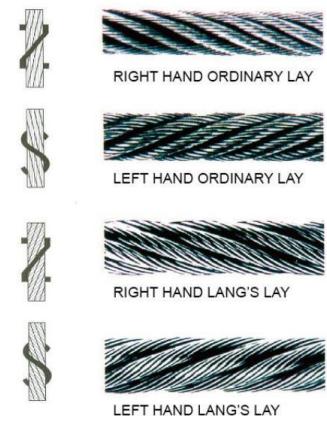
GENERAL INFORMATION ON WIRE ROPES



What is a wire rope? It consists of a group of strands laid helically around a core. In some cases, a single strand is a rope.

Use dedicated measuring instrument to measure the diameter of wire rope.

TYPE AND DIRECTION OF LAY



Main type of wire rope	Typical structure
Point contact round strand wire rope	6×19 6×37 6×24
Linear contact round strand wire rope	6×19S 6×19W 6×25F 6×29F 6×26WS 6×31WS 6×36WS 6×37S
Triangular strand wire rope	6V19 6V30 6V34 6V37 6V37S
Compacted strand wire rope	6×K25F 6×K19S 6×K36WS 8×K26WS 8×K31WS 18×K7 18×K19S 35(W)×K7 40(W)×K7
Wire rope with PVC	

WIRE ROPE

Typical Cross Sections Of Wire Rope & Strand

6 × 7+FC	6 × 7+IWS	6 × 9W+FC	6 × 9W+IWR	6 × 19S+FC	6 × 19S+IWR	6 × 19W+FC
6 × 19W+IWR	6 × 19+FC	6 × 19+IWS	6 × 41SW+FC	6 × 41SW+IWR	6 × 49SWS+FC	6 × 49SWS+IWR
6 × 55SWS+FC	6 × 55SWS+IWR	6 × 25Fi+FC	6 × 25Fi+IWR	6 × 26SW+FC	6 × 26SW+IWR	6 × 29Fi+FC
6 × 29Fi+IWR	6 × 31SW+FC	6 × 31SW+IWR	6 × 36SW+FC	6 × 36SW+IWR	6 × 37S+FC	6 × 37S+IWR
6 × 37+FC	6 × 37+IWR	8 × 19S+FC	8 × 19S+IWR	8 × 19W+FC	8 × 19W+IWR	8 × 25Fi+FC
8 × 25Fi+IWR	8 × 25SW+FC	8 × 26SW+IWR	8 × 31SW+FC	8 × 31SW+IWR	8 × 36SW+FC	8 × 36SW+IWR

WIRE ROPE

Typical Cross Sections Of Wire Rope & Strand

8 × 41SW+FC	8 × 41SW+IWR	8 × 49SWS+FC	8 × 49SWS+IWR	8 × 55SWS+FC	8 × 55SWS+IWR	17 × 7+FC
17 × 7+IWS	18 × 7+FC	18 × 7+IWS	18 × 19W+FC	18 × 19W+IWS	18 × 19S+FC	18 × 19S+IWS
18 × 19+FC	18 × 19+IWS	34 × 7+FC	34 × 7+IWS	36 × 7+FC	36 × 7+IWS	6 × 24+7FC
6 × 24S+7FC	6 × 24W+7FC	6V × 18+FC	6V × 18+IWR	6V × 21+7FC	6V × 30+FC	6V × 30+IWR
6V × 33+FC	6V × 33+IWR	6V × 36+FC	6V × 36+IWR	6V × 43+FC	6V × 43+IWR	6V × 37S+FC
6V × 37S+IWR	4V × 39S+5FC	4V × 48S+5FC	1 × 7	1 × 19	3 × 7	6 × 3+IWS

WIRE ROPE

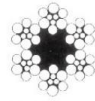
6 x 7 or 6 x 9 Steel Wire Rope (Ungalvanized and Galvanized)



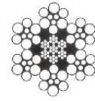
6 x 7+FC



6 x 7+IWS



6 x 9W+FC



6 x 9W+IWR

Construction: 6x7+FC 6x7+IWS 6x9W+FC 6x9W+IWR

Nominal Diameter	Approx. Weight			Nominal Tensile Strength of Rope(Mpa)											
				1570			1670			1770			1870		
	D	NF	SF	IWR/IWS	Minimum Breaking Load of Rope										
FC					IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
mm	kg/100m			(KN)											
2	1.40	1.38	1.55	2.08	2.25	2.22	2.4	2.35	2.54	2.48	2.69	2.6	2.81		
3	3.16	3.10	3.48	4.69	5.07	4.99	5.4	5.29	5.72	5.59	6.04	5.86	6.33		
4	5.62	5.50	6.19	8.34	9.02	8.87	9.59	9.4	10.2	9.93	10.7	10.4	11.3		
5	8.78	8.60	9.68	13	14.1	13.9	15	14.7	15.9	15.5	16.8	16.3	17.6		
6	12.6	12.4	13.9	18.8	20.3	20	21.6	21.2	22.9	22.4	24.2	23.4	25.3		
7	17.2	16.9	19	25.5	27.6	27.2	29.4	28.8	31.1	30.4	32.9	31.9	34.5		
8	22.5	22.0	24.8	33.4	36.1	35.5	38.4	37.6	40.7	39.7	43	41.7	45		
9	28.4	27.9	31.3	42.2	45.7	44.9	48.6	47.6	51.5	50.3	54.4	52.7	57		
10	35.1	34.4	38.7	52.1	56.4	55.4	60	58.8	63.5	62.1	67.1	65.1	70.4		
11	42.5	41.6	46.8	63.1	68.2	67.1	72.5	71.1	76.9	75.1	81.2	78.7	85.1		
12	50.5	49.5	55.7	75.1	81.2	79.8	86.3	84.6	91.5	89.4	96.7	93.7	101		
13	59.3	58.1	65.4	88.1	95.3	93.7	101	99.3	107	105	113	110	119		
14	68.8	67.4	75.9	102	110	109	118	115	125	122	132	128	138		
16	89.9	88.1	99.1	133	144	142	153	150	163	159	172	167	180		
17	101	99.4	112	151	163	160	173	170	184	179	194	188	203		
18	114	112	125	169	183	180	194	190	206	201	218	211	228		
20	140	138	155	209	225	222	240	235	254	248	269	260	281		
22	170	167	187	252	273	268	290	284	308	300	325	315	341		
24	202	198	223	300	325	319	345	338	366	358	387	375	405		
26	237	233	262	352	381	375	405	397	430	420	454	440	476		
28	275	270	303	409	442	435	470	461	498	487	526	510	552		
30	316	310	348	469	507	499	540	529	572	559	604	586	633		
32	359	352	396	534	577	568	614	602	651	636	687	666	721		
34	406	398	447	603	652	641	693	679	735	718	776	752	813		
36	455	446	502	676	730	719	777	762	824	805	870	843	912		
38	507	497	559	753	814	801	866	849	918	896	969	940	1020		
40	562	550	619	834	902	887	959	940	1020	993	1070	1040	1130		
42	619	607	683	919	994	978	1060	1040	1120	1100	1180	1150	1240		
44	680	666	749	1010	1090	1070	1160	1140	1230	1200	1300	1260	1360		
46	743	728	819	1100	1190	1170	1270	1240	1340	1310	1420	1380	1490		
48	809	793	892	1200	1300	1280	1380	1350	1460	1430	1550	1500	1620		
50	878	860	968	1300	1410	1390	1500	1470	1590	1550	1680	1630	1760		

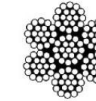
Main Applications: Various cable carriage, rope and belt conveyor, ropeway drawing, slope winch, etc.

WIRE ROPE

6 x 19 Steel Wire Rope (Ungalvanized and Galvanized)



6 x 19+FC



6 x 19+IWS



6 x 19+IWR

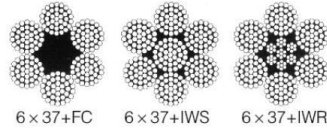
Construction: 6x19+FC 6x19+IWS 6x19+IWR

Nominal Diameter	Approx. Weight			Nominal Tensile Strength of Rope(Mpa)											
				1570			1670			1770			1870		
	D	NF	SF	IWR/IWS	Minimum Breaking Load of Rope										
FC					IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS
mm	kg/100m			(KN)											
3	3.16	3.1	3.6	4.34	4.69	4.61	4.99	4.89	5.29	5.17	5.59	5.42	5.86		
4	5.62	5.5	6.4	7.71	8.34	8.2	8.67	8.69	9.4	9.19	9.93	9.63	10.4		
5	8.78	8.6	10	12	13	12.8	13.9	13.6	14.7	14.4	15.5	15	16.3		
6	12.6	12.4	14.4	17.4	18.8	18.5	20	19.6	21.2	20.7	22.4	21.7	23.4		
7	17.2	16.9	19.6	23.6	25.5	25.1	27.2	26.6	28.8	28.1	30.4	29.5	31.9		
8	22.5	22	25.6	30.8	33.4	32.8	35.5	34.8	37.6	36.7	39.7	38.5	41.7		
9	28.4	27.9	32.4	39	42.2	41.5	44.9	44	47.6	46.5	50.3	48.7	52.7		
10	35.1	34.4	40	48.2	52.1	51.3	55.4	54.3	58.8	57.4	62.1	60.2	65.1		
11	42.5	41.6	48.4	58.3	63.1	62	67.1	65.8	71.1	69.5	75.1	72.8	78.7		
12	50.5	49.5	57.6	69.4	75.1	73.8	79.8	78.2	84.6	82.7	89.4	86.7	93.7		
13	59.3	58.1	67.6	81.5	88.1	86.6	93.7	91.8	99.3	97	105	102	110		
14	68.8	67.4	78.4	94.5	102	101	109	107	115	113	122	118	128		
15	79	77.4	90	108	117	115	125	122	132	129	140	135	146		
16	89.9	88.1	102	123	133	131	142	139	150	147	159	154	167		
17	101	99.4	116	139	151	148	160	157	170	166	179	174	188		
18	114	111	130	156	169	166	180	176	190	186	201	195	211		
20	140	138	160	193	209	205	222	217	235	230	248	241	260		
22	170	167	194	233	252	248	268	263	284	278	301	291	315		
24	202	198	230	278	300	295	319	313	339	331	358	347	375		
26	237	233	270	326	352	347	375	367	397	388	420	407	440		
28	275	270	314	378	409	402	435	426	461	450	487	472	510		
30	316	310	360	434	469	461	499	489	529	517	559	542	586		
32	359	352	410	494	534	525	568	556	602	588	636	616	666		
34	406	398	462	557	603	593	641	628	679	664	718	696	752		
36	455	446	518	625	676	664	719	704	762	744	805	780	843		
38	507	497	578	696	753	740	801	785	849	829	897	869	940		
40	562	550	640	771	834	820	887	869	940	919	993	963	1040		
42	619	607	706	850	920	904	978	959	1040	1010	1100	1060	1150		
44	680	666	774	933	1010	993	1070	1050	1140	1110	1200	1160	1260		
46	743	728	846	1020	1100	1080	1170	1150	1240	1210	1310	1270	1380		
48	809	793	922	1110	1200	1180	1280	1250	1350	1320	1430	1390	1500		
50	878	860	1000	1210	1300	1280	1390	1360	1470	1440	1550	1500	1630		
52	949	930	1080	1300	1410	1390	1500	1470	1590	1550	1680	1630	1760		
54	1024	1000	1170	1410	1520	1500	1620	1590	1710	1670	1810	1750	1900		
56	1100	1080	1250	1510	1630	1610	1740	1700	1840	1800	1950	1890	2040		
58	1180	1160	1350	1620	1750	1720	1870	1830	1990	1930	2090	2020	2190		
60	1260	1240	1440	1740	1880	1850	2000	1960	2120	2070	2240	2170	2340		
62	1350	1320	1540	1850	2000	1970	2130	2090	2260	2210	2390	2310	2500		
64	1440	1410	1640	1970	2140	2100	2270	2230	2410	2350	2540	2460	2670		
66	1530	1500	1740	2100	2270	2230	2420	2370	2560	2500	2700	2620	2830		
68	1620	1590	1850	2230	2410	2370	2560	2510	2720	2650	2870	2780	3010		
70	1720	1690	1960	2360	2550	2510	2720	2660	2880	2810	3040	2950	3190		
72	1820	1780	2070	2500	2700	2660	2870	2820	3050	2980	3220	3120	3370		
74	1920	1880	2190	2640	2850	2810	3040	2980	3220	3140	3400	3300	3560		
76	2030	1990	2310	2780	3010	2960	3200	3140	3390	3320	3590	3480	3760		
78	2140	2090	2430	2930	3170	3120	3370	3310	3580	3490	3780	3660	3960		
80	2250	2200	2560	3080	3340	3280	3550	3480	3760	3670	3970	3850	4160		

Main Applications: Various equipment for hoisting, derricking, lifting and drawing.

WIRE ROPE

6 x 37 Steel Wire Rope (Ungalvanized and Galvanized)



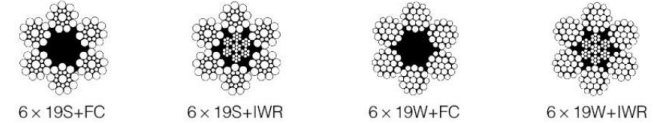
Construction: 6x37+FC 6x37+IWS 6x37+IWR

Nominal Diameter	Approx. Weight			Nominal Tensile Strength of Rope(Mpa)											
				1570		1670		1770		1870		1960			
				Minimum Breaking Load of Rope											
D	NF	SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS		
mm	kg/100m			(KN)											
5	8.65	8.43	10	11.6	12.5	12.3	13.3	13.1	14.1	13.8	14.9	14.5	15.6		
6	12.5	12.1	14.4	16.7	18	17.7	19.2	18.8	20.3	19.9	21.5	20.8	22.5		
7	17	16.5	19.6	22.7	24.5	24.1	26.1	25.6	27.7	27	29.2	28.3	30.6		
8	22.1	21.6	25.6	29.6	32.1	31.5	34.1	33.4	36.1	35.3	38.2	37	40		
9	28	27.3	32.4	37.5	40.6	39.9	43.2	42.3	45.7	44.7	48.3	46.8	50.6		
10	34.6	33.7	40	46.3	50.1	49.3	53.3	52.2	56.5	55.2	59.7	57.8	62.5		
11	41.9	40.8	48.4	56	60.6	59.6	64.5	63.2	68.3	66.7	72.2	70	75.7		
12	49.8	48.5	57.6	66.7	72.1	70.9	76.7	75.2	81.3	79.4	85.9	83.3	90		
13	58.5	57	67.6	78.3	84.6	83.3	90	88.2	95.4	93.2	101	97.7	106		
14	67.8	66.1	78.4	90.8	98.2	96.6	104	102	111	108	117	113	123		
15	77.9	75.8	90	104	113	111	120	118	127	124	134	130	141		
16	88.6	86.3	102	119	128	126	136	134	145	141	153	148	160		
18	112	109	130	150	162	160	173	169	183	179	193	187	203		
20	138	135	160	185	200	197	213	209	226	221	239	231	250		
22	168	163	194	224	242	238	258	253	273	267	289	280	303		
24	199	194	230	267	289	284	307	301	325	318	344	333	360		
26	234	228	270	313	339	333	360	353	382	373	403	391	423		
28	271	264	314	363	393	386	418	409	443	433	468	453	490		
30	311	303	360	417	451	443	480	470	508	497	537	520	563		
32	354	345	410	474	513	505	546	535	578	565	611	592	640		
34	400	390	462	535	579	570	616	604	653	638	690	668	723		
36	448	437	518	600	649	639	690	677	732	715	773	749	810		
38	500	487	578	669	723	711	769	754	815	797	861	835	903		
40	554	539	640	741	801	788	852	835	903	883	954	925	1000		
42	610	595	706	817	884	869	940	921	996	973	1052	1020	1100		
44	670	652	774	897	970	954	1031	1011	1093	1068	1155	1120	1210		
46	732	713	846	980	1060	1040	1130	1100	1190	1170	1260	1220	1320		
48	797	776	922	1070	1150	1140	1230	1200	1300	1270	1370	1330	1440		
50	865	843	1000	1160	1250	1230	1330	1310	1410	1380	1490	1450	1560		
52	936	911	1080	1250	1350	1330	1440	1410	1530	1490	1610	1560	1690		
54	1011	983	1170	1350	1460	1440	1550	1520	1650	1610	1740	1690	1820		
56	1090	1060	1250	1450	1570	1550	1670	1640	1770	1730	1870	1810	1960		
58	1160	1130	1350	1560	1680	1660	1790	1760	1900	1860	2010	1950	2100		
60	1250	1210	1440	1670	1800	1770	1920	1880	2030	1990	2150	2090	2250		
62	1330	1300	1540	1780	1920	1890	2050	2010	2170	2120	2290	2220	2400		
64	1420	1380	1640	1900	2050	2020	2180	2140	2310	2260	2440	2370	2560		
66	1510	1470	1740	2020	2180	2150	2320	2270	2460	2400	2600	2520	2720		
68	1600	1560	1850	2140	2320	2280	2460	2410	2610	2550	2760	2670	2890		
70	1700	1650	1960	2270	2450	2410	2610	2560	2770	2700	2920	2830	3060		
72	1790	1750	2070	2400	2600	2550	2760	2710	2930	2860	3090	3000	3240		
74	1890	1850	2190	2540	2740	2700	2920	2860	3090	3020	3270	3170	3420		
76	2000	1950	2310	2680	2890	2850	3080	3020	3260	3190	3450	3340	3610		
78	2110	2050	2430	2820	3050	3000	3240	3180	3440	3360	3630	3520	3800		
80	2210	2160	2560	2960	3200	3150	3410	3340	3610	3530	3820	3700	4000		
85	2500	2430	2890	3350	3620	3560	3850	3770	4080	3990	4310	4180	4520		
90	2800	2730	3240	3750	4060	3990	4320	4230	4570	4470	4830	4680	5060		
95	3120	3040	3610	4180	4520	4450	4810	4710	5100	4980	5380	5220	5640		
100	3460	3370	4000	4630	5000	4930	5330	5220	5650	5520	5970	5780	6250		
105	3810	3720	4410	5110	5520	5430	5870	5760	6230	6080	6580	6370	6890		
110	4190	4080	4840	5600	6060	5960	6450	6320	6830	6680	7220	7000	7570		
115	4580	4460	5290	6130	6620	6520	7050	6910	7470	7300	7890	7650	8270		
120	4980	4850	5760	6670	7210	7090	7670	7520	8130	7940	8590	8330	9000		

Main Applications: Various equipment for hoisting, derricking, lifting and drawing.

WIRE ROPE

6 x 19S or 6 x 19W Line Contacted Wire Rope (Ungalvanized and Galvanized)

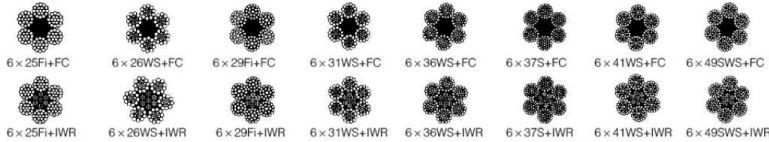


Construction: 6x19S+FC 6x19S+IWR 6x19W+FC 6x19W+IWR

Nominal Diameter	Approx. Weight			Nominal Tensile Strength of Rope(Mpa)											
				1570		1670		1770		1870		1960			
				Minimum Breaking Load of Rope											
D	NF	SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS		
mm	kg/100m			(KN)											
5	9.22	9	10.1	13	14	13.8	14.9	14.6	15.8	15.4	16.6	16.2	17.4		
6	13.3	13	14.6	18.7	20.1	19.8	21.4	21	22.7	22.2	24	23.3	25.1		
7	18.1	17.6	19.9	25.4	27.4	27	29.1	28.6	30.9	30.2	32.6	31.7	34.2		
8	23.6	23	25.9	33.2	35.8	35.3	38	37.4	40.3	39.5	42.6	41.4	44.7		
9	29.9	29.1	32.8	42	45.3	44.6	48.2	47.3	51	50	53.9	52.4	56.5		
10	36.9	36	40.5	51.8	55.9	55.1	59.5	58.4	63	61.7	66.6	64.7	69.8		
11	44.6	43.5	49.1	62.7	67.6	66.7	71.9	70.7	76.2	74.7	80.6	78.3	84.4		
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	101		
13	62.3	60.8	68.5	87.6	94.5	93.1	101	98.7	107	104	113	109	118		
14	72.2	70.5	79.5	102	110	108	117	115	124	121	131	127	137		
15	82.9	81	91.2	117	126	124	134	131	142	139	150	146	157		
16	94.4	92.1	104	133	143	141	152	150	161	158	170	166	179		
18	119	117	131	168	181	179	193	189	204	200	216	210	226		
19	133	130	146	187	202	199	215	211	228	223	240	234	252		
20	147	144	162	207	224	220	238	234	252	247	266	259	279		
22	178	174	196	251	271	267	288	283	305	299	322	313	338		
24	212	207	234	298	322	317	342	336	363	355	384	373	402		
26	249	243	274	350	378	373	402	395	426	417	450	437	472		
28	289	282	318	406	438	432	466	458	494	484	522	507	547		
30	332	324	365	466	503	496	535	526	567	555	599	582	628		
32	377	369	415	531	572	564	609	598	645	632	682	662	715		
34	426	416	469	599	646	637	687	675	728	713	770	748	807		
36	478	466	526	672	724	714	771	757	817	800	863	838	904		
38	532	520	586	748	807	796	859	843	910	891	961	934	1010		
40	590	576	649	829	894	882	951	935	1010	987	1070	1030	1120		
42	650	635	715	914	986	972	1050	1030	1110	1090	1170	1140	1230		
44	714	697	785	1000	1080	1070	1150	1130	1220	1190	1290	1250	1350		
46	780	762	858	1100	1180	1170	1260	1240	1330	1310	1410	1370	1480		
48	849	829	934	1190	1290	1270	1370	1350	1450	1420	1530	1490	1610		
50	922	900	1010	1300	1400	1380	1490	1460	1580	1540	1660	1620	1740		
52	997	973	1100	1400	1510	1490	1610	1580	1700	1670	1800	1750	1890		
54	1080	1050	1180	1510	1630	1610	1730	1700	1840	1800	1940	1890	2030		
56	1160	1130	1270	1620	1750	1730	1860	1830	1980	1940	2090	2030	2190		
58	1240	1210	1360	1740	1880	1850	2000	1960	2120	2080	2240	2180	2350		
60	1330	1300	1460	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510		
62	1420	1380	1560	1990	2150	2120	2290	2250	2420	2370	2560	2490	2680		
64	1510	1470	1660	2120	2290	2260	2440	2390	2580	253					

WIRE ROPE

6 x 25Fi 6 x 29Fi 6 x 26WS 6 x 31WS 6 x 36WS 6 x 37S 6 x 41WS 6 x 49SWS
Line Contacted Wire Rope (Ungalvanized and Galvanized)



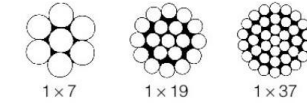
Nominal Diameter	Approx.Weight		Nominal Tensile Strength of Rope(Mpa)											
			1570		1670		1770		1870		1960			
			Minimum Breaking Load of Rope											
D	NF	SF	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	FC	IWR/IWS	
mm	kg/100m		(KN)											
8	24.3	23.7	26.8	33.2	35.8	35.3	38	37.4	40.3	39.5	42.6	41.4	44.7	
9	30.8	30.1	33.9	42	45.3	44.6	48.2	47.3	51	50	53.9	52.4	56.5	
10	38	37.1	41.8	51.8	55.9	55.1	59.5	58.4	63	61.7	66.6	64.7	69.8	
11	46	44.9	50.6	62.7	67.6	66.7	71.9	70.7	76.2	74.7	80.6	78.3	84.4	
12	54.7	53.4	60.2	74.6	80.5	79.4	85.6	84.1	90.7	88.9	95.9	93.1	100	
14	74.5	72.7	81.9	102	110	108	117	114	124	121	130	127	137	
16	97.3	95	107	133	143	141	152	150	161	158	170	166	179	
18	123	120	135	168	181	179	193	189	204	200	216	210	226	
20	152	148	167	207	224	220	238	234	252	247	266	259	279	
22	184	180	202	251	271	267	288	283	305	299	322	313	338	
24	219	214	241	298	322	317	342	336	363	355	383	373	402	
26	257	251	283	350	378	373	402	395	426	417	450	437	472	
28	298	291	328	406	438	432	466	458	494	484	522	507	547	
30	342	334	376	466	503	496	535	526	567	555	599	582	628	
32	389	380	428	531	572	564	609	598	645	632	682	662	715	
34	439	429	483	599	646	637	687	675	728	713	770	748	807	
36	492	481	542	671	724	714	770	757	817	800	863	838	904	
38	549	536	604	748	807	796	858	843	910	891	961	934	1008	
40	608	594	669	829	894	882	951	935	1010	987	1070	1030	1120	
42	670	654	737	914	986	972	1050	1030	1110	1090	1170	1140	1230	
44	736	718	809	1000	1080	1070	1150	1130	1220	1190	1290	1250	1350	
46	804	785	884	1100	1180	1170	1260	1240	1330	1310	1410	1370	1480	
48	876	855	963	1190	1290	1270	1370	1350	1450	1420	1530	1490	1610	
50	950	928	1050	1300	1400	1380	1490	1460	1580	1540	1660	1620	1740	
52	1030	1000	1130	1400	1510	1490	1610	1580	1700	1670	1800	1750	1890	
54	1110	1080	1220	1510	1630	1610	1730	1700	1840	1800	1940	1890	2030	
56	1190	1160	1310	1620	1750	1730	1860	1830	1980	1940	2090	2030	2190	
58	1280	1250	1410	1740	1880	1850	2000	1960	2120	2080	2240	2180	2350	
60	1370	1340	1500	1870	2010	1980	2140	2100	2270	2220	2400	2330	2510	
62	1460	1430	1610	1990	2150	2120	2290	2250	2420	2370	2560	2490	2680	
64	1560	1520	1710	2120	2290	2260	2440	2390	2580	2530	2730	2650	2860	
66	1660	1620	1820	2260	2430	2400	2590	2540	2740	2690	2900	2820	3040	
68	1760	1720	1930	2400	2580	2550	2750	2700	2910	2850	3080	2990	3230	
70	1860	1820	2050	2540	2740	2700	2910	2860	3090	3020	3260	3170	3420	
72	1970	1920	2170	2690	2900	2860	3080	3030	3270	3200	3450	3350	3620	
74	2080	2030	2290	2840	3060	3020	3260	3200	3450	3380	3650	3540	3820	
76	2190	2140	2410	2990	3230	3180	3430	3370	3640	3560	3850	3740	4030	
78	2310	2260	2540	3150	3400	3350	3620	3550	3830	3750	4050	3940	4250	
80	2430	2370	2680	3320	3580	3530	3800	3740	4030	3950	4260	4140	4470	
85	2750	2690	3020	3740	4040	3980	4300	4220	4550	4460	4810	4670	5040	
90	3080	3010	3390	4200	4530	4460	4820	4730	5100	5000	5390	5240	5650	
95	3430	3350	3770	4680	5040	4970	5370	5270	5690	5570	6010	5840	6300	
100	3800	3710	4180	5180	5590	5510	5950	5840	6300	6170	6660	6470	6980	
105	4190	4090	4610	5710	6160	6080	6550	6440	6950	6800	7340	7130	7690	
110	4600	4490	5060	6270	6760	6670	7190	7070	7620	7470	8060	7830	8440	
115	5030	4910	5530	6850	7390	7290	7860	7720	8330	8160	8800	8550	9230	
120	5470	5340	6020	7460	8050	7940	8560	8410	9070	8890	9590	9310	10000	

Main Applications: Various equipment for derricking, lifting and drawing. The rope with wire core can be used under the shock load, heated and squeezed conditions such as electric shares.

WIRE ROPE

Galvanized Guy Rope For Electric Cable

Construction: (1x7)(1x19)(1x37)



Construction	Wire Diameter (mm)	Guy Rope Diameter (mm)	Guy Rope Section (mm ²)	Tensile Strength of Rope(Mpa)			Weight of Zinc Coat g/m ²	Approx. Weight kg/100m
				1370	1470	1570		
				Total Breaking Load of Wire-not less than(KN)				
1 x 7	1.0	3.0	5.5	7.54	8.08	8.64	185	4.37
	1.2	3.6	7.92	10.8	11.6	12.4	185	6.29
	1.4	4.2	10.7	14.7	15.8	16.9	185	8.56
	1.6	4.8	14	19.2	20.6	22	200	11.1
	1.8	5.4	17.8	24.4	26.1	27.9	215	14.1
	2.0	6.0	22	30.1	32.3	34.5	230	17.4
	2.3	6.9	29.1	39.8	42.7	45.6	230	23
	2.6	7.8	37.1	50.9	54.6	58.4	230	29.5
	2.9	8.7	46.2	63.3	67.9	72.6	230	36.7
	3.0	9.6	56.3	77.1	82.7	77.7	230	44.7
	3.5	10.5	67.3	92.2	98.9	105	245	53.4
	3.8	11.4	79.4	108	116	124	260	63
1 x 19	4.0	12.0	87.9	120	129	138	260	69.9
	1.6	8.0	38.2	52.3	56.1	59.9	200	30.4
	1.8	9.0	48.3	66.2	71	75.9	215	38.4
	2.0	10.0	59.7	81.7	87.7	93.7	230	47.5
	2.3	11.5	78.9	108	116	123	230	62.8
	2.6	13.0	101	138	148	158	230	80.3
	2.9	14.5	125	171	184	197	230	99.9
	3.0	15.0	134	250	197	210	230	106
	3.5	17.5	182	183	268	287	245	145
	3.8	19.0	215	250	316	338	260	171
	4.0	20.0	238	250	350	374	260	190
	1.6	11.2	14	19.2	20.6	22	200	59.7
1.8	12.6	17.8	24.4	26.1	27.9	215	75.6	
2.0	14.0	22	30.1	32.3	34.5	230	93.3	
2.3	16.1	29.1	39.8	42.7	45.6	230	123	
2.6	18.2	37.1	50.9	54.6	58.3	230	158	
2.9	20.3	46.2	63.3	67.9	72.6	230	196	
3.0	21.0	49.5	67.7	72.7	77.6	230	210	
3.5	24.5	67.3	92.2	99	105	245	286	
3.8	26.6	79.4	108	116	124	260	337	
4.0	28.0	87.9	120	129	138	260	373	
4.2	29.4	97	132	142	152	260	411	
4.4	30.8	106	145	156	167	260	452	

Main Applications: Suitable for hanger, hang, communication cable, overhead power line and fixing subject etc.

WIRE ROPE

Aircraft Cord

Construction: 6×7+FC, 6×7+IWS



Diameter (mm)		Nominal Tensile Strength of Wire (Mpa)	Fibre Core-The Minimum Breaking Load of Rope (KN)	Steel Core-The Minimum Breaking Load of Rope (KN)	Fibre Core Approx. Weight of Rope (kg/100m)	Steel Core Approx. Weight of Rope (kg/100m)
Rope	Wire					
1.58	0.17	1870	1.57	1.83	1.01	1.09
1.70	0.19	1870	1.95	2.23	1.26	1.37
1.80	0.20	1870	2.28	2.50	1.40	1.50
2.15	0.24	1870	3.28	3.60	2.00	2.20
2.50	0.28	1870	4.47	5.00	2.70	3.00
3.50	0.34	1870	6.23	7.32	4.00	4.40
3.60	0.40	1870	8.7	10.10	5.50	6.20
4.10	0.45	1770	10.4	13.20	7.00	7.95
4.50	0.50	1770	12.8	15.00	8.70	9.60
5.40	0.60	1670	17.5	20.40	12.50	13.80

Main Applications: Suitable for important machinery and instrument.

Aircraft Cord

Construction: 6×19+FC, 6×19+IWS



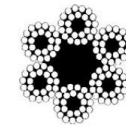
Diameter (mm)		Nominal Tensile Strength of Wire (Mpa)	Fibre Core-The Minimum Breaking Load of Rope (KN)	Steel Core-The Minimum Breaking Load of Rope (KN)	Fibre Core Approx. Weight of Rope (kg/100m)	Steel Core Approx. Weight of Rope (kg/100m)
Rope	Wire					
3.00	0.20	2062	6.3	7.3	3.80	4.20
3.30	0.22	1770	6.5	7.59	4.50	5.74
3.60	0.24	1770	7.8	9.1	5.40	6.00
4.20	0.28	1770	10.6	12.3	7.40	8.20
4.80	0.31	1770	12.9	16	9.00	10.71
5.10	0.34	1770	15.6	18.1	10.90	12.00
6.00	0.40	1670	19	23.7	15.10	16.70
6.30	0.42	1670	22.2	26.1	16.65	18.41
7.50	0.50	1670	31.9	37.1	23.59	26.00
8.25	0.55	1670	38.4	44.9	28.55	32.00
9.00	0.60	1670	45.7	53.4	33.98	37.60
9.75	0.65	1670	50.3	62.6	39.88	44.10

Main Applications: Suitable for important machinery and instrument.

WIRE ROPE

Steel Wire Rope (Ungalvanized and Galvanized)

Construction: 6 × 24+7FC



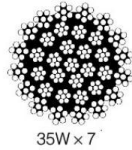
6 × 24+7FC

Nominal Diameter (D/mm)	Approx. Weight (kg/100m)		Nominal Tensile Strength of Rope				
			1470	1570	1670	1770	1870
	NF	SF	Minimum Breaking Load of Rope				
8	20.4	19.5	26.3	28.1	29.9	31.7	33.5
9	25.8	24.6	33.3	35.6	37.9	40.1	42.4
10	31.8	30.4	41.2	44	46.8	49.6	52.4
11	38.5	36.8	49.8	53.2	56.6	60	63.4
12	45.8	43.8	59.3	63.3	67.3	71.4	75.3
13	53.7	51.4	69.6	74.3	79	83.8	88.5
14	62.3	59.6	80.7	86.2	91.6	97.1	103
16	81.4	77.8	105	113	120	127	134
18	103	98.5	133	142	152	161	170
20	127	122	165	176	187	198	209
22	154	147	199	213	226	240	253
24	183	175	237	253	269	285	302
26	215	206	278	297	316	335	354
28	249	238	323	345	367	389	411
30	286	274	370	396	421	446	471
32	326	311	421	450	479	507	536
34	368	351	476	508	541	573	605
36	412	394	533	570	606	642	679
38	459	439	594	635	675	716	756
40	509	486	659	703	748	793	838
42	561	536	726	775	825	874	924
44	616	589	797	851	905	959	1010
46	673	643	871	930	989	1050	1110
48	733	700	948	1010	1080	1140	1210
50	795	760	1030	1100	1170	1240	1310
52	860	822	1110	1190	1260	1340	1420
54	927	886	1200	1280	1360	1450	1530
56	997	953	1290	1380	1470	1550	1640
58	1070	1020	1380	1480	1570	1670	1760
60	1140	1090	1480	1580	1680	1780	1880
62	1220	1170	1580	1690	1800	1910	2010
64	1300	1250	1690	1800	1920	2030	2140
66	1390	1320	1790	1910	2040	2160	2280
68	1470	1410	1900	2030	2160	2290	2420
70	1560	1490	2020	2150	2290	2430	2570
72	1650	1580	2130	2280	2420	2570	2710
74	1740	1660	2250	2410	2560	2710	2870
76	1840	1760	2380	2540	2700	2860	3020
78	1930	1850	2500	2670	2840	3020	3190
80	2040	1950	2630	2810	2990	3170	3350

Main Applications: Towboat, goods net, floating transportation of wood, bunding etc.

WIRE ROPE

NO-rotating Steel Wire Rope With Many Layers (Ungalvanized and Galvanized)

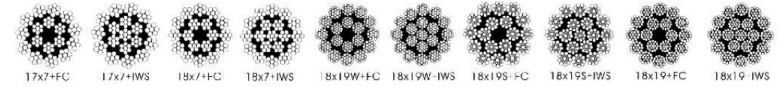


Construction: 35W x 7

Nominal Diameter (mm)	Approx.Weight (kg/100m)	Nominal Tensile Strength of Rope (MPa)					
		1570	1670	1770	1870	1960	2160
		Minimum Breaking Load of Rope (KN)					
6	16.6	20.3	21.6	22.9	24.2	25.4	28
8	29.4	36.2	38.5	40.8	43.1	45.2	49.8
10	46	56.5	60.1	63.7	67.3	70.6	77.8
12	66.2	81.4	86.6	91.8	96.9	102	112
14	90.2	111	118	125	132	138	152
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	2100
54	1340	1650	1750	1860	1960	2060	2270
56	1440	1770	1890	2000	2110	2210	2440
58	1550	1900	2020	2140	2260	2370	2620
60	1660	2030	2160	2290	2420	2540	2800

Main Applications: Equipment for port load and unload derrick tower crane.

Steel Wire Rope(Ungalvanized and Galvanized)



Nominal Diameter (D/mm)	Approx.Weight (kg/100m)		Nominal Tensile Strength of Rope (MPa)											
			1570	1670	1770	1870	1960	2160						
	FC	IWR/IWS	Minimum Breaking Load of Rope (KN)											
6	14	15.5	17.5	18.5	18.6	19.7	19.8	20.9	20.9	22.1	21.9	23.1	24.1	25.5
7	19.1	21.1	23.8	25.2	25.4	26.8	26.9	28.4	28.4	30.1	29.8	31.5	32.8	34.7
8	25	27.5	31.1	33	33.1	35.1	35.1	37.2	37.1	39.3	38.9	41.1	42.9	45.3
9	31.6	34.8	39.4	41.7	41.9	44.4	44.4	47	47	49.7	49.2	52.1	54.2	57.4
10	39	43	48.7	51.5	51.8	54.8	54.9	58.1	58	61.3	60.8	64.3	67	70.8
11	47.2	52	58.9	62.3	62.6	66.3	66.4	70.2	70.1	74.2	73.5	77.8	81	85.7
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	929	928	981	972	1030	1070	1130
42	688	759	859	908	913	966	968	1020	1020	1080	1070	1130	1180	1250
44	755	832	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	1420	1500
48	899	991	1120	1190	1190	1260	1260	1340	1340	1410	1400	1480	1540	1630
50	975	1080	1220	1290	1290	1370	1370	1450	1450	1530	1520	1610	1670	1770
52	1050	1160	1320	1390	1400	1480	1480	1570	1570	1660	1640	1740	1810	1920
54	1140	1250	1420	1500	1510	1600	1600	1690	1690	1790	1770	1870	1950	2070
56	1220	1350	1530	1610	1620	1720	1720	1820	1820	1920	1910	2020	2100	2220
58	1310	1450	1640	1730	1740	1840	1850	1950	1950	2060	2040	2160	2250	2380
60	1400	1550	1750	1850	1860	1970	1980	2090	2090	2210	2190	2310	2410	2550

Main Applications: Equipment for port load and unload derrick tower crane.