

Wire Rope For Important Use

- GB8918-2006、GB/T20118、GB/T20067-2006 standard wire rope can be provided.
- Diameter range of wire rope : 1mm~190mm.
- The category is point contact, line contact, and surface contact wire rope.

6X19(a) Strand Wire Rope Round

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

•Application:6x19S : 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).

6x19W : 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



Rope Nomin al Diameter (mm)	Approx. Weight (kg/100m)			Nominal Tensile Strength (MPa)											
				1570		1670		1770		1870		1960		2160	
	Minimum Breaking Strength(kN)														
	Natur al Fiber Core	Synthe tic Fiber Core	Ste el Core	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e
6	13.3	13.0	14.6	18.7	20.1	19.8	21.4	21.0	22.7	22.2	24.0	23.3	25.1	25.7	27.7
7	18.1	17.6	19.9	25.4	27.4	27.0	29.1	28.6	30.9	30.2	32.6	31.7	34.2	34.9	37.7
8	23.6	23.0	25.9	33.2	35.8	35.3	38.0	37.4	40.3	39.5	42.6	41.4	44.6	45.6	49.2
9	29.9	29.1	32.8	42.2	45.3	44.6	48.2	47.3	51.0	50.0	53.9	52.4	56.5	57.7	62.3
10	36.9	36.0	40.6	51.8	55.9	55.1	59.5	58.4	63.0	61.7	66.6	64.7	69.8	71.3	76.9
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	86.2	93.0
12	53.1	51.8	58.1	74.4	80.8	79.9	85.5	84.4	90.2	88.7	95.6	93.3	100.4	103.2	111.0

			4	6	5	4	6	1	7	9	9	1			
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 \times 1.214(fiber Core) or 1.308(steel core).

6X19(a) 6x37(a) Strand Wire Rope Round

●Rope Construction : 6 \times 25Fi+FC 6 \times 25Fi+IWR 6 \times 26WS+FC 6 \times 26WS+IWR 6 \times 29Fi+FC 6 \times 29Fi+IWR 6 \times 31WS+FC 6 \times 31WS+IWR 6 \times 36WS+FC 6 \times 36WS+IWR 6 \times 37S+FC 6 \times 37S+IW R 6 \times 41WS+FC 6 \times 41WS+IWR 6 \times 49SWS+FC 6 \times 49SWS+IWR 6 \times 55SWS+FC 6 \times 55SWS+IWR

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

6 \times 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.

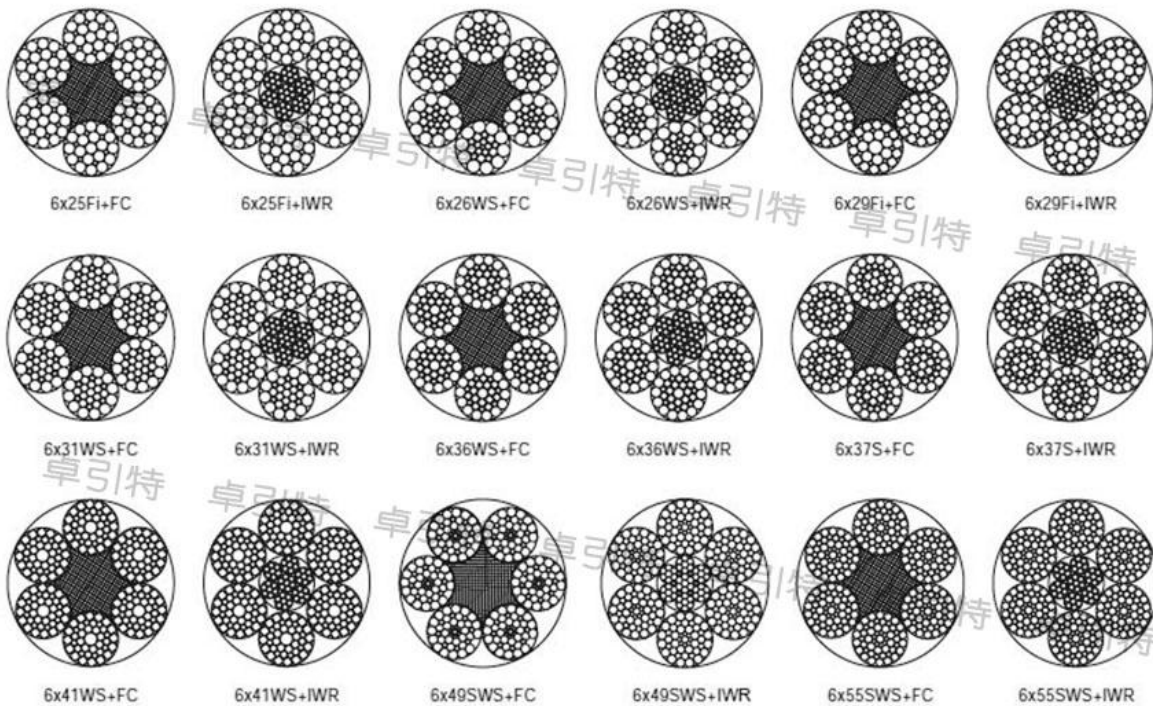
6 \times 31WS : It is used in blast furnace hoisting, petroleum drilling, heavy lifting and other important uses of crane, steel heat transfer machine (steel core), Shipping handling, tow boat, cargo net.

6x36WS : 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

6x37S : 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.

6x41WS : It is used in blast furnace hoisting , heavy-duty crane (steel core), heavy lifting and other important usage of crane, salvage sunken ship.

6x49SWS、6x55SWS : It is used in heavy lifting and other important usage of crane, salvage.



Rope Nomin al Diameter (mm)	Approx. Weight (kg/100m)			Nominal Tensile Strength (MPa)											
				1570		1670		1770		1870		1960		2160	
				Minimum Breaking Strength(kN)											
	Natur al Fiber Core	Synthe tic Fiber Core	Ste el Core	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e	Fib er Cor e	Ste el Cor e
8	24.3	23.7	26.8	33.2	35.8	35.3	38.0	37.4	40.3	39.5	42.6	41.4	44.7	45.6	49.2
10	38.0	37.1	41.8	51.8	55.9	55.1	59.5	58.4	63.0	61.7	66.6	64.7	69.8	71.3	76.9
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	103	111

13	64.2	62.7	70.6	87.6	94.5	93.1	100	98.7	106	104	113	109	118	120	130
14	74.5	72.7	81.9	102	110	108	117	114	124	121	130	127	137	140	151
16	97.3	95.0	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	--	--

			0	0	0	0	0	0	0	0	0	0	0		
68	1770	—	193 0	240 0	258 0	255 0	275 0	270 0	291 0	285 0	308 0	299 0	323 0	--	--
70	1880	—	205 0	254 0	274 0	270 0	291 0	286 0	309 0	302 0	326 0	317 0	342 0	--	--
72	1990	—	217 0	269 0	290 0	286 0	308 0	303 0	327 0	320 0	345 0	335 0	362 0	--	--
74	2100	—	229 0	284 0	306 0	302 0	326 0	320 0	345 0	338 0	365 0	354 0	382 0	--	--
76	2210	—	241 0	299 0	323 0	318 0	343 0	337 0	364 0	356 0	385 0	374 0	403 0	--	--
78	2330	—	254 0	315 0	340 0	335 0	362 0	355 0	383 0	375 0	405 0	394 0	425 0	--	--
80	2450	—	268 0	332 0	358 0	353 0	380 0	374 0	403 0	395 0	426 0	414 0	447 0	--	--
82	2580	—	281 0	348 0	376 0	371 0	400 0	393 0	424 0	415 0	448 0	435 0	469 0	--	--
84	2700	—	295 0	366 0	394 0	389 0	419 0	412 0	445 0	435 0	470 0	456 0	492 0	--	--
86	2830	—	309 0	383 0	413 0	408 0	440 0	432 0	466 0	456 0	492 0	478 0	516 0	--	--
88	2970	—	324 0	401 0	433 0	427 0	460 0	452 0	488 0	478 0	516 0	501 0	540 0	--	--
90	3100	—	339 0	420 0	453 0	446 0	482 0	473 0	510 0	500 0	539 0	524 0	565 0	--	--
92	3240	—	354 0	439 0	473 0	466 0	503 0	494 0	533 0	522 0	563 0	547 0	591 0	--	--
94	3380	—	369 0	458 0	494 0	487 0	525 0	516 0	557 0	545 0	589 0	572 0	617 0	--	--
96	3530	—	385 0	477 0	515 0	508 0	548 0	538 0	581 0	569 0	614 0	596 0	643 0	--	--
98	3680	—	401 0	498 0	537 0	529 0	571 0	561 0	605 0	593 0	639 0	620 0	670 0	--	--
100	3830	—	418 0	518 0	559 0	551 0	595 0	584 0	630 0	617 0	666 0	647 0	698 0	--	--

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.