STEEL WIRE ROPE

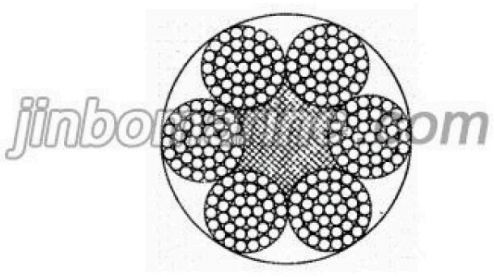
6X37+FC Steel Wire Rope Category B

Wire Rope Definition a. Wires: steel wires for wire ropes are normally made of non-alloy carbon steel with a carbon content of 0.4 to 0.95%. The tensile forces and to run over sheaves with relatively small diameters. ...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Steel Wire Rope
Standard	DIN
Material	SS Galvanized
Weight / Size	6X37+FC Steel Wire Rope Category B Construction 6X37+FC Steel Wire Rope ...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Steel Wire Rope	**Model / SKU**	6X37-FC-Steel-Wire-Rope-Category-B
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6X37+FC Steel Wire Rope Category B Construction 6X37+FC Steel Wire Rope Category B Technical Parameters Diameter MM Approx.Weight Minimun Breaking Load of Rope (KN) Kg/100m 1570Mpa NF SF IWR FC IWR 5 8.65 8.43 10 11.6 12.5 6 12.5 12.1 14.4 16.7 18 7 17 16.5 19.6 22.7 24.5 8 22.1 21.6 25.6 29.6 32.1 9 28 27.3 32.4 37.5 40.6 10 34.6 33.7 40 46.3 50.1 11 41.9 40.8 48.4 56 60.6 12 49.8 48.5 57.6 66.7 72.1 13 58.5 57.6 67.6 78.3 84.6 14 67.8 66.1 78.4 90.8 98.2 16 88.6 86.3 102 119 128 18 112 109 130 150 162 20 138 135 160 185 200 22 167 163 194 224 242 24 199 194 230 267 288 26 234 228 270 313 339 28 271 264 314 363 393 30 311 303 360 417 451 32 354 345 410 474 513 34 400 390 462 535 579 36 448 437 518 600 649 38 500 487 578 669 723 40 554 539 640 741 801 42 610 594 706 817 883 44 670 652 774 897 970 46 732 713 846 980 1060 48 797 776 922 1070 1150 50 865 843 1000 1160 1250 52 936 911 1080 1250 1350 54 1010 983 1170 1350 1460 56 1090 1060 1250 1450 1570 58 1160 1130 1350 1560 1680 60 1250 1210 1440 1670 1800 Diameter MM Minimun Breaking Load of Rope (KN) 1670Mpa 1770Mpa 1870Mpa FC IWR FC IWR FC IWR 5 12.3 13.3 13.1 14.1 13.8 14.9 6 17.7 19.2 18.8 20.3 19.9 21.5 7 24.1 26.1 25.6 27.7 27 29.2 8 31.5 34.1 33.4 36.1 35.3 38.2 9 39.9 43.2 42.3 45.7 44.7 48.3 10 49.3 53.3 52.2 86.5 55.2 59.7 11 59.6 64.5 63.2 68.3 66.7 72.2 12 70.9 76.7 75.2 81.3 79.4 85.9 13 83.3 90 88.2 95.4 93.2 101 14 96.6 104 102 111 108 117 16 126 136 134 145 141 153 18 160 173 169 183 179 193 20 197 213 209 226 221 239 22 238 258 253 273 267 289 24 284 307 301 325 318 344 26 333 360 353 382 373 403
Surface	galvanized

	28 386 418 409 443 432 468 30 443 479 470 508 496 537 32 504 546 535 578 565 611 34 570 616 604 653 638 690 36 638 690 677 732 715 773 38 711 769 754 815 797 861 40 788 852 835 903 883 954 42 869 940 921 996 973 1050 44 954 1070 1010 1090 1070 1150 46 1040 1130 1100 1190 1170 1370 48 1140 1230 1200 1300 1270 1370 50 1230 1440 1300 1410 1380 1490 52 1330 1440 1410 1530 1490 1610 54 1440 1550 1520 1650 1610 1740 56 1540 1670 1640 1770 1730 1870 58 1660 1790 1760 1900 1860 2010 60 1770 1920 1880 2030 1990 2150 Applications Mine hoisting, blast furnace hoisting, large casting, oil drilling, forestry and marine industries,all kinds ofelevator, large hoisting, ground cable car ships and offshore facilities, cable railing.		
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

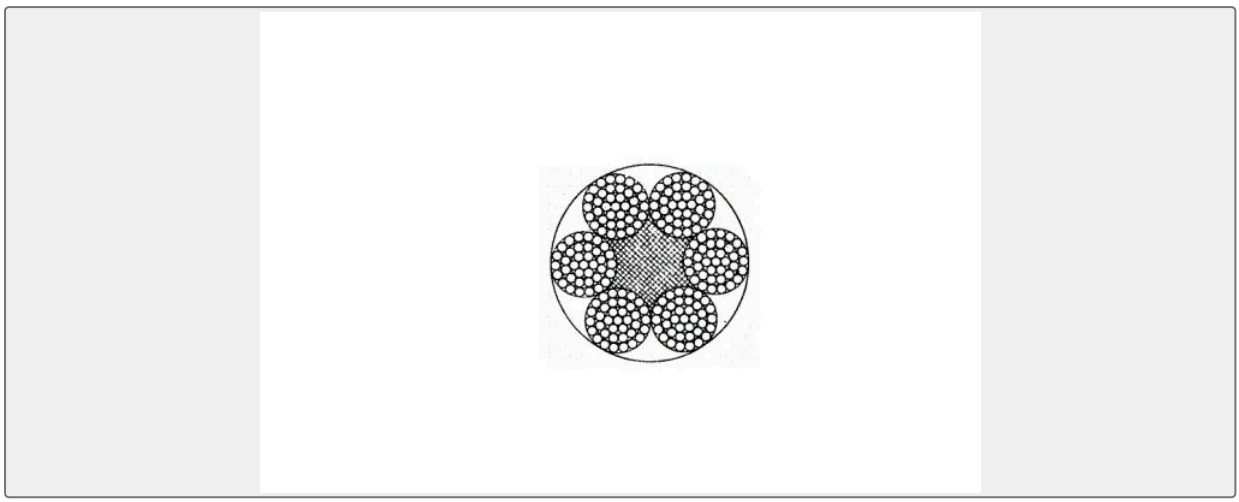
CONTENTS

- Wire Rope Definition
- 6X37+FC Steel Wire Rope Category B Technical Parameters
- How To Choose Material
- 6X37+FC Steel Wire Rope Category B Construction
- Applications
- Packaging

Wire Rope Definition

a. Wires: steel wires for wire ropes are normally made of non-alloy carbon steel with a carbon content of 0.4 to 0.95%. The tensile forces and to run over sheaves with relatively small diameters.
b. Strand: the strand is a component of wire rope usually consisting of an assembly of wires of appropriate diamsions laid helically in one or more layers around a central element.
c. Core: the core is the central element, of fiber or steel, around which are laid helically the outer strands of wire rope. The core provides proper support for the strands under normal bending and loading conditions.
d. Wire rope is several strands of metal wire twisted into a helix forming a composite "rope", in a pattern known as "laid rope". Larger diameter wire rope consists of multiple strands.

6X37+FC Steel Wire Rope Category B Construction



6X37+FC Steel Wire Rope Category B Technical Parameters

Diameter MM	Approx.Weight			Minimun Breaking Load of Rope（KN)	
	Kg/100m			1570Mpa	
	NF	SF	IWR	FC	IWR
5	8.65	8.43	10	11.6	12.5
6	12.5	12.1	14.4	16.7	18
7	17	16.5	19.6	22.7	24.5
8	22.1	21.6	25.6	29.6	32.1
9	28	27.3	32.4	37.5	40.6
10	34.6	33.7	40	46.3	50.1
11	41.9	40.8	48.4	56	60.6
12	49.8	48.5	57.6	66.7	72.1
13	58.5	57.6	67.6	78.3	84.6
14	67.8	66.1	78.4	90.8	98.2
16	88.6	86.3	102	119	128
18	112	109	130	150	162
20	138	135	160	185	200
22	167	163	194	224	242
24	199	194	230	267	288
26	234	228	270	313	339
28	271	264	314	363	393
30	311	303	360	417	451

32	354	345	410	474	513
34	400	390	462	535	579
36	448	437	518	600	649
38	500	487	578	669	723
40	554	539	640	741	801
42	610	594	706	817	883
44	670	652	774	897	970
46	732	713	846	980	1060
48	797	776	922	1070	1150
50	865	843	1000	1160	1250
52	936	911	1080	1250	1350
54	1010	983	1170	1350	1460
56	1090	1060	1250	1450	1570
58	1160	1130	1350	1560	1680
60	1250	1210	1440	1670	1800

Diameter MM	**Minimun Breaking Load of Rope（KN)**					
	1670Mpa		1770Mpa		1870Mpa	
	FC	IWR	FC	IWR	FC	IWR
5	12.3	13.3	13.1	14.1	13.8	14.9
6	17.7	19.2	18.8	20.3	19.9	21.5
7	24.1	26.1	25.6	27.7	27	29.2
8	31.5	34.1	33.4	36.1	35.3	38.2
9	39.9	43.2	42.3	45.7	44.7	48.3
10	49.3	53.3	52.2	86.5	55.2	59.7
11	59.6	64.5	63.2	68.3	66.7	72.2
12	70.9	76.7	75.2	81.3	79.4	85.9
13	83.3	90	88.2	95.4	93.2	101
14	96.6	104	102	111	108	117
16	126	136	134	145	141	153
18	160	173	169	183	179	193
20	197	213	209	226	221	239
22	238	258	253	273	267	289

24	284	307	301	325	318	344
26	333	360	353	382	373	403
28	386	418	409	443	432	468
30	443	479	470	508	496	537
32	504	546	535	578	565	611
34	570	616	604	653	638	690
36	638	690	677	732	715	773
38	711	769	754	815	797	861
40	788	852	835	903	883	954
42	869	940	921	996	973	1050
44	954	1070	1010	1090	1070	1150
46	1040	1130	1100	1190	1170	1370
48	1140	1230	1200	1300	1270	1370
50	1230	1440	1300	1410	1380	1490
52	1330	1440	1410	1530	1490	1610
54	1440	1550	1520	1650	1610	1740
56	1540	1670	1640	1770	1730	1870
58	1660	1790	1760	1900	1860	2010
60	1770	1920	1880	2030	1990	2150

Applications

Mine hoisting, blast furnace hoisting, large casting, oil drilling, forestry and marine industries,all kinds ofelevator, large hoisting, ground cable car ships and offshore facilities, cable railing.

How To Choose Material

1.stainless steel :
providing good corrosion resistance and strength comparable to galvanized carbon steel grades.
2.galvanized steel:
Zinc coated carbon steel offers some corrosion resistance. It remains ductile over long periods of working. Usually higher break strengths than stainless steels.

Packaging

