STEEL WIRE ROPE

6X36WS+IWR Steel Wire Rope Category A

ISO9001 Supplier

Class Certificate

Export Supply

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. ...



Key Highlights

Category	Steel Wire Rope
Standard	DIN
Material	SS Galvanized
Weight / Size	6X36WS+IWR Steel Wire Rope Category A Construction 6X36WS+IWR Steel Wire...
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**	6X36WS-IWR-Steel-Wire-Rope-Category-A
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6X36WS+IWR Steel Wire Rope Category A Construction 6X36WS+IWR Steel Wire Rope Category A Technical Parameters Diameter MM Approx.Weight Minimun Breaking Load of Rope （KN) Kg/100m 1570Mpa 1670Mpa NF SF IWR FC IWR FC IWR 8 24.3 23.7 26.8 33.2 35.8 35.3 38 10 38 37.1 41.8 51.8 55.9 55.1 59.5 12 54.7 53.4 60.2 74.6 80.5 79.4 85.6 13 64.2 62.7 70.6 87.6 94.5 93.1 100 14 74.5 72.7 81.9 102 110 108 117 16 97.3 95 107 133 143 141 152 18 123 120 135 168 181 179 193 20 152 148 167 207 224 220 238 22 184 180 202 251 271 267 288 24 219 214 241 298 322 317 342 26 257 251 283 350 378 373 402 28 298 291 328 406 438 432 466 30 342 334 376 466 503 496 535 32 389 380 428 531 572 564 609 34 439 429 483 599 646 637 687 36 492 481 542 671 724 714 770 38 549 536 604 748 807 796 858 40 608 594 669 829 894 882 951 42 670 654 737 914 986 972 1050 44 736 718 809 1000 1080 1070 1150 46 804 785 884 1100 1180 1170 1260 48 876 855 963 1190 1290 1270 1370 50 950 928 1040 1300 1400 1380 1490 52 1030 1000 1130 1400 1510 1490 1610 54 1110 1080 1220 1510 1630 1610 1730 56 1190 1160 1310 1620 1750 1730 1860 58 1280 1250 1410 1740 1880 1850 2000 60 1370 1340 1500 1870 2010 1980 2140 Diameter MM Minimun Breaking Load of Rope （KN) 1770Mpa 1870Mpa 1960Mpa 2160Mpa FC IWR FC IWR FC IWR FC IWR 8 37.4 40.3 39.5 42.6 41.4 44.7 45.6 49.2 10 58.4 63 61.7 66.6 64.7 69.8 71.3 76.9 12 84.1 90.7 88.9 95.9 93.1 100 103 111 13 98.7 106 104 1113 109 118 120 130 14 114 124 121 130 127 137 140 151 16 150 161 158 170 166 179 182 197 18 189 204 200 216 210 226 236 249 20 234 252 247 266 259 279
Surface	galvanized

	285 308 22 283 305 299 322 313 338 345 372 24 336 363 353 383 373 402 411 443 26 395 426 417 450 437 472 482 520 28 458 494 484 522 507 547 559 603 30 526 567 555 599 582 628 642 692 32 598 645 632 682 662 715 730 787 34 675 728 713 770 748 807 824 889 36 757 817 800 863 838 904 924 997 38 843 910 891 961 934 1010 1030 1110 40 935 1010 987 1070 1030 1120 1140 1230 42 1030 1110 1090 1170 1140 1230 1260 1360 44 1130 1220 1190 1290 1250 1350 1380 1490 46 1240 1300 1310 1410 1370 1480 1510 1630 48 1350 1450 1420 1530 1490 1610 1640 1770 50 1460 1580 1540 1660 1620 1740 1780 1920 52 1580 1700 1670 1800 1750 1890 1930 2080 54 1700 1840 1800 1940 1890 2030 2080 2240 56 1830 1980 1940 2090 2030 2190 2240 2410 58 1960 2120 2080 2240 2180 2350 2400 2590 60 2100 2270 2220 2400 2330 2510 2570 2770 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

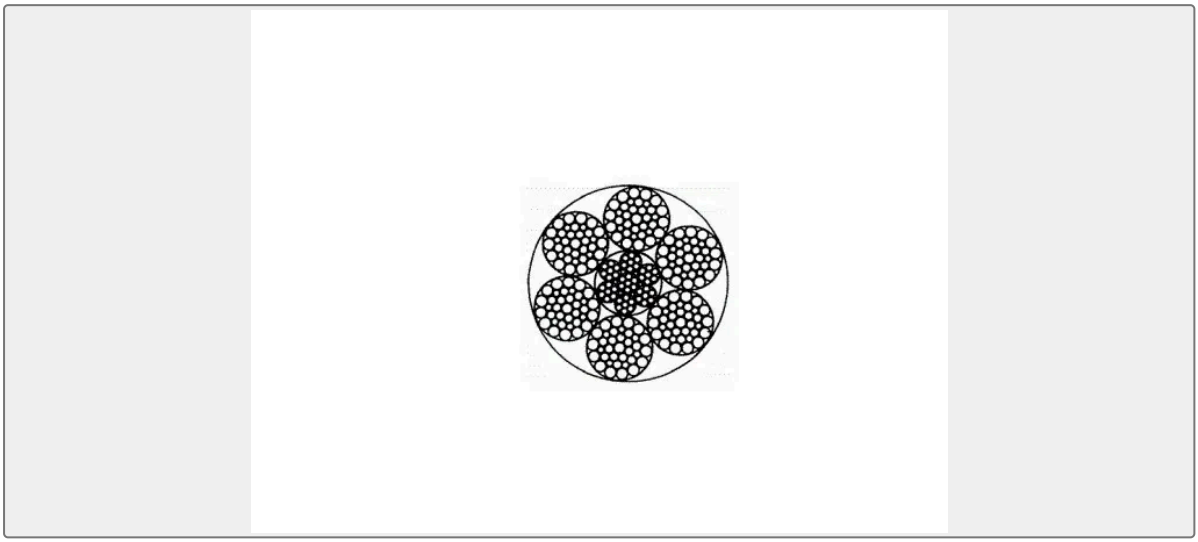
- Wire Rope Definition
- 6X36WS+IWR Steel Wire Rope Category A Technical Parameters
- How To Choose Material
- 6X36WS+IWR Steel Wire Rope Category A Construction
- Applications
- Packaging

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.

6X36WS+IWR Steel Wire Rope Category A Construction



6X36WS+IWR Steel Wire Rope Category A Technical Parameters

Diameter MM	Approx.Weight			Minimun Breaking Load of Rope（KN)			
	Kg/100m			1570Mpa		1670Mpa	
	NF	SF	IWR	FC	IWR	FC	IWR
8	24.3	23.7	26.8	33.2	35.8	35.3	38
10	38	37.1	41.8	51.8	55.9	55.1	59.5
12	54.7	53.4	60.2	74.6	80.5	79.4	85.6
13	64.2	62.7	70.6	87.6	94.5	93.1	100
14	74.5	72.7	81.9	102	110	108	117
16	97.3	95	107	133	143	141	152
18	123	120	135	168	181	179	193
20	152	148	167	207	224	220	238
22	184	180	202	251	271	267	288
24	219	214	241	298	322	317	342
26	257	251	283	350	378	373	402
28	298	291	328	406	438	432	466
30	342	334	376	466	503	496	535
32	389	380	428	531	572	564	609

34	439	429	483	599	646	637	687
36	492	481	542	671	724	714	770
38	549	536	604	748	807	796	858
40	608	594	669	829	894	882	951
42	670	654	737	914	986	972	1050
44	736	718	809	1000	1080	1070	1150
46	804	785	884	1100	1180	1170	1260
48	876	855	963	1190	1290	1270	1370
50	950	928	1040	1300	1400	1380	1490
52	1030	1000	1130	1400	1510	1490	1610
54	1110	1080	1220	1510	1630	1610	1730
56	1190	1160	1310	1620	1750	1730	1860
58	1280	1250	1410	1740	1880	1850	2000
60	1370	1340	1500	1870	2010	1980	2140

Diameter MM	**Minimun Breaking Load of Rope（KN)**							
	1770Mpa		1870Mpa		1960Mpa		2160Mpa	
	FC	IWR	FC	IWR	FC	IWR	FC	IWR
8	37.4	40.3	39.5	42.6	41.4	44.7	45.6	49.2
10	58.4	63	61.7	66.6	64.7	69.8	71.3	76.9
12	84.1	90.7	88.9	95.9	93.1	100	103	111
13	98.7	106	104	1113	109	118	120	130
14	114	124	121	130	127	137	140	151
16	150	161	158	170	166	179	182	197
18	189	204	200	216	210	226	236	249
20	234	252	247	266	259	279	285	308
22	283	305	299	322	313	338	345	372
24	336	363	353	383	373	402	411	443
26	395	426	417	450	437	472	482	520
28	458	494	484	522	507	547	559	603
30	526	567	555	599	582	628	642	692
32	598	645	632	682	662	715	730	787
34	675	728	713	770	748	807	824	889

36	757	817	800	863	838	904	924	997
38	843	910	891	961	934	1010	1030	1110
40	935	1010	987	1070	1030	1120	1140	1230
42	1030	1110	1090	1170	1140	1230	1260	1360
44	1130	1220	1190	1290	1250	1350	1380	1490
46	1240	1300	1310	1410	1370	1480	1510	1630
48	1350	1450	1420	1530	1490	1610	1640	1770
50	1460	1580	1540	1660	1620	1740	1780	1920
52	1580	1700	1670	1800	1750	1890	1930	2080
54	1700	1840	1800	1940	1890	2030	2080	2240
56	1830	1980	1940	2090	2030	2190	2240	2410
58	1960	2120	2080	2240	2180	2350	2400	2590
60	2100	2270	2220	2400	2330	2510	2570	2770

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

