STEEL WIRE ROPE

6X36WS+FC Steel Wire Rope

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	6X36WS+FC Steel Wire Rope Construction 6X36WS+FC Steel Wire Rope Paramet...
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-FC-Steel-Wire-Rope
Standard	DIN	**Material**	SS Galvanized

Weight / Size	6X36WS+FC Steel Wire Rope Construction 6X36WS+FC Steel Wire Rope Parameters Diameter MM Approx.Weight Minimun Breaking Load of Rope（KN) Kg/100m 1570Mpa 1670Mpa FC IWR FC IWR FC IWR 60 1380 1500 1870 2010 1980 2140 62 1470 1610 1990 2150 2120 2290 64 1570 1710 2120 2290 2260 2440 66 1670 1820 2260 2430 2460 2590 68 1770 1930 2400 2580 2550 2750 70 1880 2050 2540 2740 2700 2910 72 1990 2170 2690 2900 2860 3080 74 2100 2290 2840 3060 3020 3260 76 2210 2410 2990 3230 3180 3430 78 2330 2540 3150 3400 3350 3620 80 2450 2680 3320 3580 3530 3800 82 2580 2810 3480 3760 3710 4000 84 2700 2950 3660 3940 3890 4190 86 2830 3090 3830 4130 4080 4400 88 2970 3240 4010 4380 4270 4600 90 3100 3390 4200 4530 4460 4820 Diameter MM Minimun Breaking Load of Rope（KN) 1770Mpa 1870Mpa 1960Mpa FC IWR FC IWR FC IWR 60 2100 2270 2220 2400 2330 2510 62 2250 2420 2370 2560 2490 2680 64 2390 2580 2530 2730 2650 2860 66 2540 2740 2690 2900 2820 3040 68 2700 2910 2850 3080 2990 3230 70 2860 3090 3020 3260 3170 3420 72 3030 3270 3200 3450 3350 3620 74 3200 3450 3380 3650 3540 3820 76 3370 3640 3560 3850 3740 4030 78 3550 3830 3750 4050 3949 4250 80 3740 4030 3950 4260 4140 4470 82 3930 4240 4150 4480 4350 4690 84 4120 4450 4350 4700 4560 4920 86 4320 4660 4560 4920 4780 5160 88 4520 4880 4780 5160 5010 5400 90 4730 5100 5000 5390 5240 5650 Applications Mine hoisting, blast furnace hoisting, large casting, oil drilling, forestry and marine industries,all kinds ofelevator, large hoisting, ground
Surface	galvanized

	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		

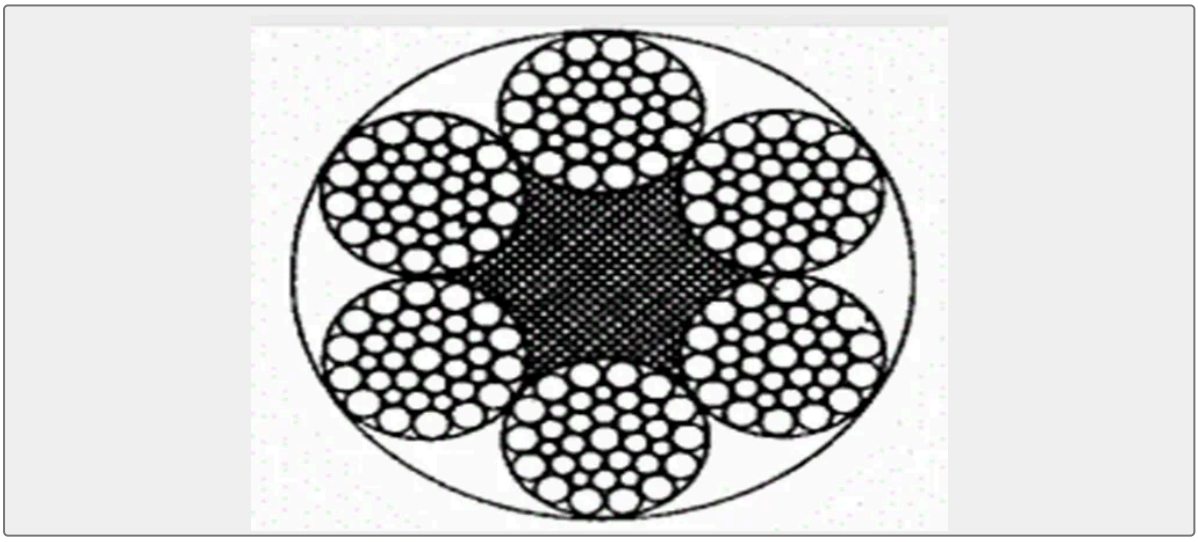
CONTENTS

- Wire Rope Definition
- 6X36WS+FC Steel Wire Rope Parameters
- How To Choose Material
- 6X36WS+FC Steel Wire Rope 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+FC Steel Wire Rope Construction



6X36WS+FC Steel Wire Rope Parameters

Diameter MM	Approx.Weight		Minimun Breaking Load of Rope（KN)			
	Kg/100m		1570Mpa		1670Mpa	
	FC	IWR	FC	IWR	FC	IWR
60	1380	1500	1870	2010	1980	2140
62	1470	1610	1990	2150	2120	2290

64	1570	1710	2120	2290	2260	2440
66	1670	1820	2260	2430	2460	2590
68	1770	1930	2400	2580	2550	2750
70	1880	2050	2540	2740	2700	2910
72	1990	2170	2690	2900	2860	3080
74	2100	2290	2840	3060	3020	3260
76	2210	2410	2990	3230	3180	3430
78	2330	2540	3150	3400	3350	3620
80	2450	2680	3320	3580	3530	3800
82	2580	2810	3480	3760	3710	4000
84	2700	2950	3660	3940	3890	4190
86	2830	3090	3830	4130	4080	4400
88	2970	3240	4010	4380	4270	4600
90	3100	3390	4200	4530	4460	4820

Diameter MM	**Minimun Breaking Load of Rope（KN)**					
	1770Mpa		1870Mpa		1960Mpa	
	FC	IWR	FC	IWR	FC	IWR
60	2100	2270	2220	2400	2330	2510
62	2250	2420	2370	2560	2490	2680
64	2390	2580	2530	2730	2650	2860
66	2540	2740	2690	2900	2820	3040
68	2700	2910	2850	3080	2990	3230
70	2860	3090	3020	3260	3170	3420
72	3030	3270	3200	3450	3350	3620
74	3200	3450	3380	3650	3540	3820
76	3370	3640	3560	3850	3740	4030
78	3550	3830	3750	4050	3949	4250
80	3740	4030	3950	4260	4140	4470
82	3930	4240	4150	4480	4350	4690
84	4120	4450	4350	4700	4560	4920
86	4320	4660	4560	4920	4780	5160
88	4520	4880	4780	5160	5010	5400

90	4730	5100	5000	5390	5240	5650

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