STEEL WIRE ROPE

6X24S+7FC 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	6X24S+7FC Steel Wire Rope Construction 6X24S+7FC 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**	6X24S-7FC-Steel-Wire-Rope
Standard	DIN	**Material**	SS Galvanized
Weight / Size	6X24S+7FC Steel Wire Rope Construction 6X24S+7FC Steel Wire Rope Parameter Nominal diameter MM Approx.Weight Kg/100m Minimun Breaking Load of Rope (KN) NF SF 1470Mpa 1570Mpa 1670Mpa 1770Mpa 10 33.1 33.6 42.8 45.7 48.6 51.5 11 40 38.2 51.8 55.3 58.8 62.3 12 47.7 45.5 61.6 65.8 70 74.2 13 55.9 53.4 72.3 77.2 82.1 87 14 64.9 61.9 83.8 90 95.3 101 16 84.7 80.9 110 117 124 132 18 107 102 139 148 157 167 20 132 126 171 183 194 206 22 160 153 207 221 235 249 24 191 182 246 263 280 297 26 224 214 289 309 329 348 28 560 248 335 358 381 404 30 298 284 385 411 437 464 32 339 324 438 468 498 527 34 383 365 495 528 562 595 36 429 410 554 592 630 668 38 478 456 618 660 702 744 40 530 506 684 731 778 824 42 584 557 755 806 857 909 44 641 612 828 885 941 997 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.	**Surface**	galvanized
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

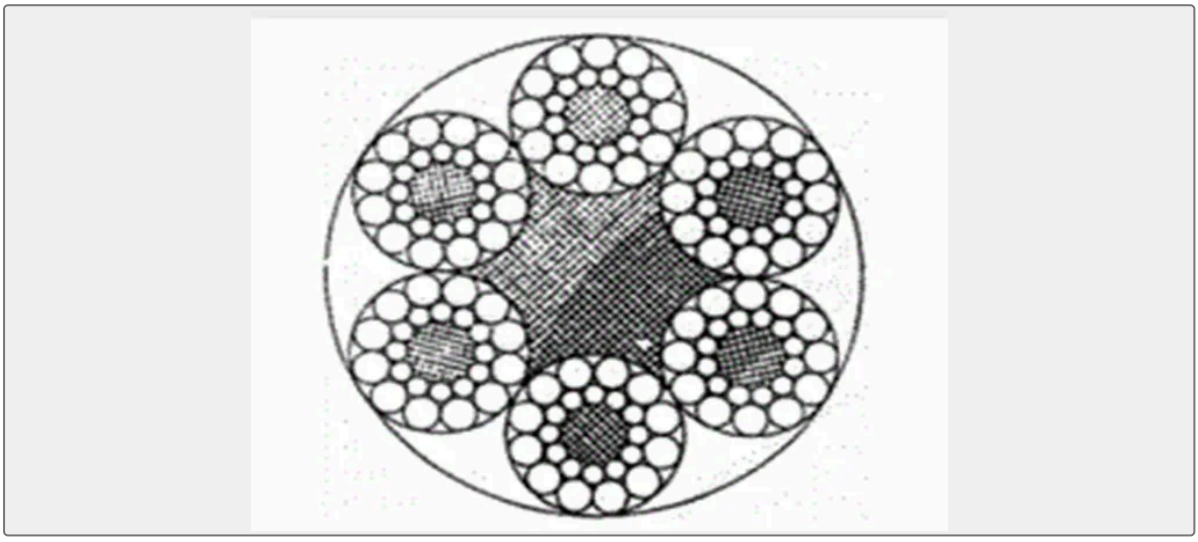
CONTENTS

- Wire Rope Definition
- 6X24S+7FC Steel Wire Rope Parameter
- How To Choose Material
- 6X24S+7FC 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.

6X24S+7FC Steel Wire Rope Construction



6X24S+7FC Steel Wire Rope Parameter

Nominal diameter MM	Approx.Weight Kg/100m		Minimun Breaking Load of Rope（KN)			
	NF	SF	1470Mpa	1570Mpa	1670Mpa	1770Mpa
10	33.1	33.6	42.8	45.7	48.6	51.5
11	40	38.2	51.8	55.3	58.8	62.3
12	47.7	45.5	61.6	65.8	70	74.2
13	55.9	53.4	72.3	77.2	82.1	87
14	64.9	61.9	83.8	90	95.3	101
16	84.7	80.9	110	117	124	132
18	107	102	139	148	157	167
20	132	126	171	183	194	206
22	160	153	207	221	235	249
24	191	182	246	263	280	297
26	224	214	289	309	329	348
28	560	248	335	358	381	404

30	298	284	385	411	437	464
32	339	324	438	468	498	527
34	383	365	495	528	562	595
36	429	410	554	592	630	668
38	478	456	618	660	702	744
40	530	506	684	731	778	824
42	584	557	755	806	857	909
44	641	612	828	885	941	997

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

