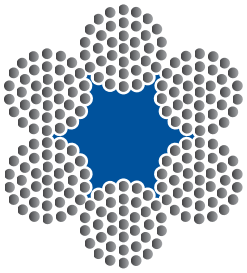
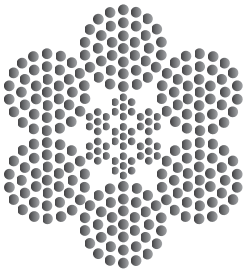
STEEL WIRE ROPES FACTORY
NOVKABEL

Steel wire rope

Wire rope Standard 6x37+Core



6(1+6+12+18)+FC



6(1+6+12+18)+IWRC

Application:

Hoists, cranes, mooring ropes, general engineering purposes

Standard:

EN 12385; DIN 3066; GOST 3071

Nomin. rope diam.	Diameter tolerance	Unit weight		Nominal wire diam.	Calculated breaking load by a nominal tensile strength of the wire					
		Fiber core	IWRC		1570 N/mm²	1770 N/mm²	1960 N/mm²	1570 N/mm²	1770 N/mm²	1960 N/mm²
					fiber core			IWRC		
mm	%	kg/m	kg/m	mm	kN			kN		
4	+7 0	0.050	0.058	0.18	8.97	10.10	11.20	10.40	11.70	12.99
4.5		0.062	0.073	0.20	11.42	12.48	14.18	13.17	14.85	16.44
5		0.082	0.096	0.23	14.02	15.80	17.50	16.26	18.30	20.30
5.5		0.105	0.118	0.26	16.97	20.03	21.19	19.69	22.20	24.58
6	+6 0	0.125	0.137	0.28	20.2	22.8	25.21	23.4	26.4	29.2
7		0.170	0.186	0.34	27.5	31.0	34.3	31.9	36.0	39.8
8	+5 0	0.221	0.244	0.37	35.9	40.5	44.8	41.7	47.0	52.0
9		0.280	0.308	0.40	45.4	51.2	56.7	52.7	59.4	65.8
10		0.346	0.381	0.45	56.1	63.3	70.0	65.1	73.4	81.2
11		0.419	0.461	0.50	67.9	76.5	84.7	78.7	88.8	98.3
12		0.498	0.548	0.55	80.8	91.1	101	93.7	106	117
13		0.585	0.643	0.60	94.8	107	118	110	124	137
14		0.678	0.746	0.65	110	124	137	128	144	159
15		0.802	0.880	0.70	126	142	158	146	165	183
16		0.886	0.974	0.75	144	162	179	167	188	208
18		1.12	1.23	0.85	182	205	227	211	238	263
20		1.38	1.52	0.90	224	253	280	260	293	325
22		1.67	1.84	1.00	272	306	339	315	355	393
24		1.99	2.19	1.10	323	364	403	375	423	468
26		2.34	2.54	1.20	379	428	473	440	496	549
28		2.71	2.98	1.30	440	496	549	510	575	637
30	+5 0	3.21	3.50	1.40	505	569	630	586	660	731
32		3.54	3.90	1.50	575	648	717	666	751	832
34		4.19	4.59	1.60	648	731	810	752	848	939
36		4.48	4.93	1.70	727	820	907	843	951	1052
40		5.54	6.09	1.80	898	1010	1120	1040	1170	1299
42		5.90	6.43	1.90	989	1115	1235	1147	1294	1432
44		6.70	7.37	2.00	1090	1220	1355	1260	1420	1572
46		7.20	7.87	2.10	1186	1338	1481	1376	1552	1718
48		7.97	8.77	2.20	1290	1460	1613	1500	1690	1871
50		8.63	9.50	2.30	1402	1580	1750	1626	1833	2030
52		9.36	10.3	2.40	1520	1710	1893	1760	1980	2196
54		10.2	11.1	2.50	1635	1843	2041	1897	2138	2368
56		10.9	11.9	2.60	1760	1980	2195	2040	2300	2547
58		11.9	13.0	2.70	1886	2127	2355	2188	2465	2732
60		12.5	13.7	2.80	2020	2280	2520	2340	2640	2923
62		13.7	15.0	2.90	2155	2430	2691	2500	2819	3122
64		14.2	15.6	3.00	2300	2590	2867	2670	3010	3326