



NOMINAL STRENGTHS OF WIRE ROPE

6 x 7 Classification/Bright (Uncoated), Fiber Core

Nominal Diameter		Approximate Mass		Nominal Strength*	
inches	mm	lb/ft	kg/m	Improved Plow Steel**	
				tons	metric tonnes
1/4	6.4	0.09	0.14	2.64	2.4
5/16	8	0.15	0.22	4.10	3.72
3/8	9.5	0.21	0.31	5.86	5.32
7/16	11.5	0.29	0.43	7.93	7.2
1/2	13	0.38	0.57	10.3	9.35
9/16	14.5	0.48	0.71	13.0	11.8
5/8	16	0.59	0.88	15.9	14.4
3/4	19	0.84	1.25	22.7	20.6
7/8	22	1.15	1.71	30.7	27.9
1	26	1.50	2.23	39.7	36.0
1 1/8	29	1.90	2.83	49.8	45.2
1 1/4	32	2.34	3.48	61.0	55.3
1 3/8	35	2.82	4.23	73.1	66.3
1 1/2	38	3.38	5.03	86.2	78.2

6 x 7 Classification/Bright (Uncoated), IWRC

Nominal Diameter		Approximate Mass		Nominal Strength*	
inches	mm	lb/ft	kg/m	Improved Plow Steel**	
				tons	metric tonnes
1/4	6.4	0.10	0.15	2.84	2.58
5/16	8	0.16	0.24	4.41	4.0
3/8	9.5	0.23	0.34	6.30	5.72
7/16	11.5	0.32	0.48	8.52	7.73
1/2	13	0.42	0.63	11.1	10.1
9/16	14.5	0.53	0.79	14.0	12.7
5/8	16	0.65	0.97	17.1	15.5
3/4	19	0.92	1.37	24.4	22.1
7/8	22	1.27	1.89	33.0	29.9
1	26	1.65	2.46	42.7	38.7
1 1/8	29	2.09	3.11	53.5	48.5
1 1/4	32	2.57	3.82	65.6	59.5
1 3/8	35	3.12	4.64	78.6	71.3
1 1/2	38	3.72	5.54	92.7	84.1

*To convert to Kilonewtons (kN), multiply tons (nominal strength) by 8.896; 1 lb=4.448 newtons (N).

**Available with galvanized wires at strengths 10% lower than listed, or at equivalent strengths on special request.