

Basics by rope Group

.tg {border-collapse:collapse;border-spacing:0;} .tg td{font-family:Arial, sans-serif;font-size:14px;padding:10px 5px;border-style:solid;border-width:1px;overflow:hidden;word-break:normal;} .tg th{font-family:Arial, sans-serif;font-size:14px;font-weight:normal;padding:10px 5px;border-style:solid;border-width:1px;overflow:hidden;word-break:normal;} .tg .tg-baqh{text-align:center;vertical-align:top} .tg .tg-yw4l{vertical-align:top}

Wire Rope Selection Factors

Graphs of Wire Construction Against Year, Crush Distortion

Standard Wire Rope	Wire Rope Constructions	Approx. Metallic Cross Sections Area	Approx. Sum of Reserve Resistance	25.4 mm Wire Rope Approximate Outer Wire Diameter	Number of Outer Wires	Min. Bending Figure Residence Max. Wear and Crush Resistance /
6x7	6x7(6/1)	385	17.0	2.7	6	
	6x10 F.S(7/3)	440	23.0	2.69	7	
6x19	6x17 S.(8/8/1)	385	28.0	2.2	8	
	6x24 F.S. (9/12/3)	440	31.3	2.26	9	
6x19	6x19 S. (9/9/1)	395	32.0	2.03	9	
6x19	6x25 S. (9/9/6/1)	395	31.0	2.03	9	
	6x25 F.S. (10/12/3)	440	31.3	2.05	10	
6x19	6x21 F.(10/5/5/5/1)	395	37.0	1.87	10	
8x19	6x26 W.S. (10/5/5/5/1)	400	38.0	1.87	10	
6x19	6x27 F.S.(12/12/3)	440	34.0	1.77	12	
8x19	6x19W.(6&6/1)	400	41.0	1.87/1.42	12	
	17 vey a 18x7 N.R.(6/1)	426	46.0	1.62/1.72	6	
6x19	6x19(12/6/1)	395	40.4	1.62	12	
8x19	8x19 S.(9/9/1)	352	32.0	1.62	9	
6x19	6x25 F.(12/6+6/1)	405	45.0	1.62	12	
8x19	8x19 W.(6&6/6/1)	352	41.0	1.52/1.14	12	
6x37	6x31 S.W.(12/6&6/6/1)	405	42.0	1.62	12	
8x19	8x21 F.(10/5+5/1)	352	37.0	1.52	10	
	12x6/3x24 N.R.	370	50.0	1.44	6	
	6x30 F.S (15/12/3)	440	37.5	1.34	15	
6x37	6x36 S.W.(14/7&7/7/1)	405	50.0	1.44	14	
6x24	6x24(15/9 LÖ)	330	37.5	1.37	15	
6x19	6x26 W.(7&7/7/4/1)	400	48.0	1.67/1.16	14	
6x37	6x37 S.(15/15/6/1)	400	51.0	1.34	15	
	34x7 N.R.(6/1)	436	59.5	1.19/1.29	6	
	6x33 F.S.(18/12/3)	445	53.0	1.24	18	
8x19	6x25 F.(12/6&6/1)	352	45.0	1.32	12	
6x37	6x41 F.(16/8&8/8/1)	404	54.0	1.29	16	
6x37	6x41 S.W(16/8&8/8/1)	404	55.0	1.29	16	
6x37	6x49 S.W.(16/8&8/8/1)	405	56.0	1.29	16	
6x37	6x37(18/12/6/1)	388	56.0	1.16/1.34	18	
6x37	6x43 F.(18/9+9/6/4)	404	57.0	1.16	18	
6x37	6x46 F.(18/9+9/9/1)	405	59.0	1.16	18	