

## Fine Diameter Wire Rope

- Features: soft, good linearity, small diameter tolerance
- Diameter range of wire rope 0.9mm~6mm.
- According to the standard of GB/T14451-2008 wire rope.
- In field use, we should pay attention to the direction of the wire rope through and avoid the additional stress and the bending of the wire rope.

### Rope construction : 1×7

Nominal Diameter	Cross Section	Elastic	Elongation: Permanent	Min B/L	Approximate Weight
mm	mm <sup>2</sup>	Not Exceed ( % )		kN	kg/100m
0.9	0.51	0.8	0.2	0.90	0.41
1.0	0.62			1.03	0.50
1.2	0.91			1.52	0.74
1.4	1.25			2.08	1.01
1.5	1.42			2.25	1.15
1.6	1.74			2.77	1.42
1.8	2.01			3.19	1.63
2.0	2.52			4.02	2.05

### Rope construction : 1×19

Nominal Diameter	Cross Section	Elastic	Elongation: Permanent	Min B/L	Approximate Weight
mm	mm <sup>2</sup>	Not Exceed ( % )		kN	kg/100m
1.0	0.60	0.8	0.2	1.06	0.49
1.2	0.87			1.52	0.70
1.4	1.18			2.08	0.96
1.5	1.36			2.39	1.10
1.6	1.54			2.59	1.25
1.8	1.98			3.29	1.59
2.0	2.42			4.06	1.96
2.5	3.77			6.01	3.07
2.8	4.73			7.53	3.84
3.0	5.42			8.63	4.41
3.5	7.37			11.74	5.99
3.8	8.62			0.9	
4.0	9.55	15.34	7.84		
4.5	12.10	19.41	9.92		
4.8	13.75	22.10	11.29		

### Rope construction : 6×7-WSC

Nominal Diameter	Cross Section	Elastic	Elongation: Permanent	Min B/L	Approximate Weight
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mm	mm <sup>2</sup>	Not Exceed ( % )		kN	kg/100m		
1.0	0.58	0.9	0.2	1.00	0.50		
1.1	0.68			1.17	0.58		
1.2	0.79			1.35	0.67		
1.4	1.02			1.76	0.87		
1.5	1.15			1.99	0.98		
1.6	1.33			2.29	1.13		
1.8	1.63			2.81	1.39		
2.0	1.96			3.38	1.67		
2.5	3.21			5.45	2.73		
2.8	3.92			6.45	3.34		
3.0	4.43			7.28	3.77		
3.5	6.31			1.1		10.37	5.37
4.0	7.87					12.92	6.70
4.5	10.20	15.89	8.69				
4.8	11.42	17.79	9.73				
5.0	12.71	19.79	10.83				
5.5	14.89	23.19	12.68				
6.0	18.04	28.11	15.37				

**Rope construction : 6×19-WSC**

Nominal Diameter	Cross Section	Elastic	Elongation: Permanent	Min B/L	Approximate Weight
mm	mm <sup>2</sup>	Not Exceed ( % )		kN	kg/100m
1.8	1.56	0.9	0.2	2.59	1.32
2.0	1.82			3.03	1.55
2.5	3.09			5.15	2.63
2.8	3.93			6.56	3.35
3.0	4.35			7.25	3.70
3.5	5.72	1.1		9.53	4.87
4.0	7.28			12.13	6.20
4.5	9.78			16.13	8.33
4.8	10.43			16.58	8.89
5.0	11.79			18.74	10.04
5.5	14.62			23.23	12.45
6.0	17.40			27.66	14.82

**Rope construction : 1×12**

Nominal Diameter	Elastic	Elongation: Permanent	Min B/L	Approximate Weight
mm	Not Exceed ( % )		kN	kg/100m
1.0	0.8	0.2	1.05	0.49
1.2			1.50	0.70
1.4			2.00	0.95

1.5			2.30	1.09
1.6			2.50	1.24
1.8			3.10	1.56
2.0			3.90	1.95
2.5			5.60	3.05
2.8			7.35	3.80
3.0			8.40	4.40