

SINGLE WIRE

PHYSICAL AND ELECTRICAL *characteristics*

CONDUCTOR SIZE AWG	DIAMETER		BREAKING LOAD		WEIGHT		RESISTANCE ①		CROSS SECTION	
	Inches	mm	lbs.	kN	lbs./kft	kg/km	Ohm/kft	Ohm/km	Sq. Inches	mm ²
Wire										
No. 4	0.2043	5.19	5,081	22.6	93.63	139.34	1.222	4.009	0.03278	21.15
No. 5	0.1819	4.62	4,290	19.1	74.25	110.50	1.541	5.056	0.02599	16.77
No. 6	0.1620	4.12	3,608	16.0	58.88	87.62	1.943	6.375	0.02061	13.30
No. 7	0.1443	3.67	3,025	13.5	46.69	69.48	2.450	8.038	0.01635	10.55
No. 8	0.1285	3.26	2,529	11.3	37.03	55.11	3.089	10.135	0.01297	8.367
No. 9	0.1144	2.91	2,005	8.9	29.37	43.71	3.896	12.783	0.01028	6.632
No. 10	0.1019	2.59	1,590	7.1	23.29	34.66	4.912	16.116	0.008155	5.261
No. 11	0.0907	2.30	1,261	5.6	18.47	27.49	6.194	20.322	0.006460	4.168
No. 12	0.0808	2.05	1,000	4.5	14.65	21.80	7.811	25.627	0.005130	3.310

Any customized size from 1.6 to 5 mm.

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