

ASTM-B-33

Solid Tinned Copper Conductor

SIZES: All gauges, 30 through 12

Solid Tinned Copper

• Part Number

N1000-XX

XX = Gauge

Part No.	Gauge	Dia. (Inches)	Circular Mil Area	Pounds/MFT
N1000-30	30	.0100	101	.301
N1000-28	28	.0126	160	.484
N1000-26	26	.0159	254	.769
N1000-24	24	.0201	404	1.220
N1000-22	22	.0253	642	1.940
N1000-20	20	.0320	1020	3.090
N1000-18	18	.0403	1620	4.920
N1000-16	16	.0508	2580	7.820
N1000-14	14	.0641	4110	12.400
N1000-12	12	.0808	6530	19.800

HIGH-FLEX CONDUCTORS

National manufactures special high-flex insulated wires using an unusually large number of fine tinned copper single wires to form the stranded conductors.

The processes for forming the stranding are handled in a novel manner to provide low bending torque.

Additionally, the insulations are specially chosen for limp properties and are applied using methods to permit maximum flex life.

Some items are also agency-listed although slight sacrifice of limpness may occur due to the requirements of the listing agency as to insulation hardness and other properties.

The tables below list some of our regular high-flexibility conductor sizes. We provide many other wires on a custom order basis and are equipped to do small extrusion runs of special colors or diameters.

We also offer ultra-limp conductors in our custom cables.

GAUGE (AWG)	NUMBER OF STRANDS	NUMBER OF STRANDS	NOM. DIAM. OF CONDUCTOR		MAX. OHMS (dc at 20° C)		WEIGHT	
			IN.	mm	1000-ft	Km	LBS per 1000-ft	Kg/Km
24	41	40	.0245	.622	25.60	84	1.200	1.79
22	41	38	.0300	.762	18.93	62	2.800	4.16
20	41	36	.0380	.965	11.99	39	3.200	4.76
18	65	36	.0510	1.30	6.40	21	4.000	5.95
16	105	36	.0650	1.65	4.00	13	8.100	12.05

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RoHS COMPLIANT PRODUCTS:

all RoHS products have the letter "R" written into the second position of the Part No.

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