

# CABLE/WIRE SIZE CHART

What size shrink tube or wire wrap is right for my gauge?

**NOTE:** Area left blank does not have values assigned.

<b>WIRE GAUGE CONVERSION TABLE</b> Dimensions are in inches.							
<b>GAUGE NO.</b>	<b>AWG</b> American Wire Gauge (Brown & Sharpe)	<b>W &amp; M</b> Washburn & Moen (Steel wire gauge)	<b>SWG</b> Imperial Standard Wire Gauge	<b>BWG</b> Birmingham or Stubs Wire Gauge	<b>US STAND.</b> United States Standard (Revised)	<b>SHRINK TUBE</b>	<b>WIRE WRAPS</b>
7/0	.6513	.490	.500		.5000	1" - 3/4"	2" x 1/2"
6/0	.5800	.460	.464		.4688	1" - 3/4" - 1/2"	2" x 1/2"
5/0	.5165	.430	.432		.4375	1" - 3/4"	2" x 1/2"
4/0	.4600	.3938	.400	.454	.4063	1" - 3/4"	2" x 1/2"
3/0	.4096	.3625	.372	.425	.3750	1" - 3/4" - 1/2" - 3/8"	2" x 1/2"
2/0	.3648	.3310	.348	.380	.3438	1" - 3/4" - 1/2" - 3/8"	2" x 1/2"
1/0	.3249	.3065	.324	.340	.3125	3/4" - 1/2" - 3/8"	1" x 1/4"
1	.2893	.2830	.300	.300	.2813	3/4" - 1/2" - 3/8"	1" x 1/4"
2	.2576	.2625	.276	.284	.2656	3/4" - 1/2" - 3/8"	1" x 1/4"
3	.2294	.2437	.252	.259	.2391	1/2" - 3/8" - 1/4"	1" x 1/4"
4	.2043	.2253	.232	.238	.2242	1/2" - 3/8" - 1/4"	1" x 1/4"
5	.1819	.2070	.212	.220	.2092	1/2" - 3/8" - 1/4"	1" x 1/4"
6	.1620	.1920	.192	.203	.1943	1/2" - 3/8" - 1/4"	1" x 1/4"
7	.1443	.1770	.176	.180	.1793	1/2" - 3/8" - 1/4" - 3/16"	1" x 1/4"
8	.1285	.1620	.160	.165	.1644	3/8" - 1/4" - 3/16"	1" x 1/4"
9	.1144	.1483	.144	.148	.1495	3/8" - 1/4" - 3/16"	1" x 1/4"
10	.1019	.1350	.128	.134	.1345	3/8" - 1/4" - 3/16"	1" x 1/4"
11	.0907	.1205	.116	.120	.1196	3/8" - 1/4" - 3/16" - 1/8"	1" x 1/4"
12	.0808	.1055	.104	.109	.1046	1/4" - 3/16" - 1/8"	1" x 1/4"
13	.0719	.0915	.092	.095	.0897	1/4" - 3/16" - 1/8"	1" x 1/4"
14	.0641	.0800	.080	.083	.0747	3/16" - 1/8"	1" x 1/4"
15	.0571	.0720	.072	.072	.0673	3/16" - 1/8"	1" x 1/4"
16	.0508	.0625	.064	.065	.0598	1/8"	1" x 1/4"
17	.04526	.054	.056	.058	.0538	1/8"	1" x 1/4"
18	.04030	.0475	.048	.049	.0478	1/8"	1" x 1/4"
19	.03589	.0410	.040	.042	.0418	1/8"	1" x 1/4"
20	.03196	.0348	.036	.035	.0359		1" x 1/4"
21	.02846	.03175	.032	.032	.0329		1" x 1/4"
22	.02535	.0286	.028	.028	.0299		1" x 1/4"
23	.02257	.0258	.024	.025	.0269		1" x 1/4"
24	.02010	.0230	.022	.022	.0239		1" x 1/4"
25	.01790	.0204	.020	.020	.0209		1" x 1/4"
26	.01594	.0181	.018	.018	.0179		1" x 1/4"
27	.01420	.0173	.0164	.016	.0164		1" x 1/4"
28	.01264	.0162	.0148	.014	.0149		1" x 1/4"
29	.01126	.0150	.0136	.013	.0135		1" x 1/4"
30	.0103	.014	.0124	.012	.0120		1" x 1/4"
31	.00893	.0132	.0116	.010	.0109		1" x 1/4"
32	.00795	.0128	.0108	.009	.0102		1" x 1/4"
33	.00708	.0118	.0100	.008	.0094		1" x 1/4"
34	.00630	.0104	.0092	.007	.0086		1" x 1/4"
35	.00561	.0095	.0084	.005	.0078		1" x 1/4"
36	.00500	.0090	.0076	.004	.0070		1" x 1/4"
37	.00445	.0085	.0068				1" x 1/4"
38	.00396	.0080	.0060				1" x 1/4"
39	.00353	.0075	.0052				1" x 1/4"
40	.00314	.007	.0048				1" x 1/4"
41	.00279	.0066	.0044				1" x 1/4"
42	.00249	.0062	.0040				1" x 1/4"
43	.00221	.0060	.0036				1" x 1/4"
44	.00198	.0058	.0032				1" x 1/4"
45	.00176	.0055	.0028				1" x 1/4"
46	.00157	.0052	.0024				1" x 1/4"
47	.00140	.0050	.0016				1" x 1/4"
48	.00124	.0048	.0012				1" x 1/4"
49	.00111	.0046	.0010				1" x 1/4"
50	.00099	.0044					1" x 1/4"
51	.00088						1" x 1/4"
52	.00078						1" x 1/4"
53	.00070						1" x 1/4"
54	.00060						1" x 1/4"
55	.00050						1" x 1/4"
56	.00040						1" x 1/4"

# EASY WIRE MARKING

For larger circuits, where serialized connections are used, you can save hours of time by using a DuraLabel printer and supplies to batch-print bar-coded or numbered markers. Simply merge an Excel spreadsheet with all the serial numbers, connections, barcodes, etc., onto a Word document, and print onto either wire wrap or shrink tube supply. Within minutes you can print all the wire markings for any large job.

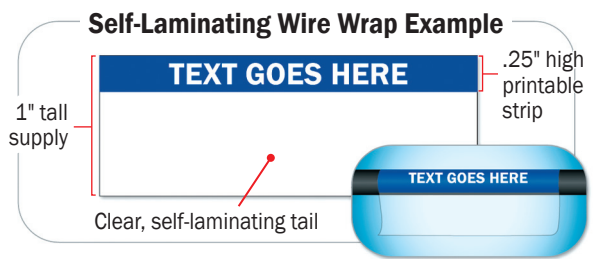
## How to Apply Wire Wrap

DuraLabel self-laminating wire wraps are easy to apply and available in many colors and sizes. Comes on a continuous roll to allow for custom sizes and less waste than experienced with die-cut wire wraps.



### Steps to apply wire wrap

1. Print identifying information on printable area.
2. Apply to wire/cable starting with the printable strip.
3. Wrap the clear tail around cable; over printable area to cover and protect the identifying information.



## How to Apply Shrink Tubing

DuraLabel shrink tubing is perfect for marking and identifying your wires and cables. This very flexible material is a specially formulated cross-linked polyolefin which has a low recovery temperature of a 3:1 ratio with a thin wall, and is highly flame-retardant (VW-1).

### Shrink Tube Sizes

Shrink tube sizes are based on the diameter of the open tube before shrinking. When laying flat for printing, the shrink tube will be approximately 1.5 times as wide as its open diameter.



### Steps to apply shrink tube

1. Print identifying information on shrink tube.
2. Slip shrink tube over cable.
3. Use heat shrink gun to secure.



Graphic Products has the supplies to support your cable marking needs.

### Cable Shrink Tube Size Chart

If you have:	Use:
8 Conductor Flat Silver Satin	1/4"
Duplex Fiber Cord (Zipcord)	3/8"
RG59 Coaxial Cable	1/2"
Category 5 4-pair Twisted Pair	1/2"
AWG 16-22G	1/8"
AWG 12-18G	3/16"
AWG 10-16G	1/4"
AWG 4-14G	3/8"
AWG 1-12G	1/2"

What size shrink tube or wire wrap is right for my gauge?  
See Cable/Wire Size Chart on other side. →