



# Standard Wire & Cable Co.

## Class H Shielded & Jacketed Miniature Cables

- CONDUCTOR:** Stranded silver-plated or nickel-plated copper.
- CONSTRUCTION:** Dielectric is Teflon® with 0.008" / 0.012" wall thickness. Cable twisting 1.5 to 2.5 inch lay. Shield is silver-plated or nickel-plated copper, 90% minimum coverage.
- JACKET:** Extruded or wrapped Teflon® with 0.008" / 0.012" wall thickness. Saturated glass fiber braid jackets are also available.
- SPECIFICATION:** The individually insulated conductors are manufactured to meet the requirements of MIL-W-16878 Type E. These conductors can also be manufactured in Type EE (1000 volt), or manufactured to MIL-C-55021 & MIL-C-27500 upon request.
- COLOR:** Primary conductors are color coded per the requirements of MIL-C-915. Custom color coding per your requirement is available upon request. All colors remain fast on continuous exposure to light, heat, or solvents, and conform to MIL-STD-104. Primary insulation (dielectric) and wrapped Teflon® jackets are available in the following colors: Black, brown, red, orange, yellow, green, blue, purple, gray, and white.
- USES:** When temperature requirements range from -65° C to 260° C at 600 volt RMS maximum (silver-plated: -65° C to 200° C; nickel-plated: -65° C to 260° C.)

### Single Conductor



Catalog No.	AWG Size	Stranding	Conductor O.D.		Insulation O.D.		Shield O.D.		Jacket O.D.		Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs / 1000 ft)	(kg / km)
1100-21E	30	7/38	0.012	0.30	0.032	0.81	0.055	1.40	0.071	1.80	5.8	8.6
1100-21F												
1100-32E	28	7/36	0.015	0.38	0.035	0.89	0.058	1.47	0.074	1.88	5.9	8.8
1100-32F												
1100-43E	26	19/38	0.019	0.48	0.039	0.99	0.062	1.57	0.078	1.98	7.9	11.8
1100-43F												
1100-54E	24	19/36	0.025	0.64	0.045	1.14	0.068	1.73	0.084	2.13	8.9	13.2
1100-54F												
1100-65E	22	19/34	0.031	0.79	0.051	1.30	0.074	1.88	0.090	2.29	10.5	15.6
1100-65F												
1100-76E	20	19/32	0.040	1.02	0.060	1.52	0.083	2.11	0.099	2.51	13.3	19.8
1100-76F												
1100-87E	18	19/30	0.050	1.27	0.070	1.78	0.093	2.36	0.109	2.77	18.5	27.5
1100-87F												
1100-98E	16	19/29	0.057	1.45	0.080	2.03	0.103	2.62	0.119	3.02	20.8	31.0
1100-98F												
1100-109E	14	19/27	0.071	1.80	0.096	2.45	0.121	3.07	0.138	3.51	26.5	39.4
1100-109F												
1100-120E	12	19/25	0.090	2.29	0.110	2.79	0.135	3.43	0.152	3.86	35.0	52.1
1100-120F												

E = Wrapped Teflon® jacket. F = Extruded Teflon® jacket. All dimensions are nominal.

Teflon® is a trademark of the DuPont de Nemours Co.

### California

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## Two Conductor



Catalog No.	AWG Size	Stranding	Conductor O.D.		Insulation O.D.		Shield O.D.		Jacket O.D.		Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs / 1000 ft)	(kg / km)
1100-22E	30	7/38	0.012	0.30	0.032	0.81	0.086	2.18	0.107	2.72	10.7	15.9
1100-22F												
1100-33E	28	7/36	0.015	0.38	0.035	0.89	0.092	2.34	0.113	2.87	11.1	16.5
1100-33F												
1100-44E	26	19/38	0.019	0.48	0.039	0.99	0.100	2.54	0.122	3.10	13.5	20.1
1100-44F												
1100-55E	24	19/36	0.025	0.64	0.045	1.14	0.112	2.84	0.135	3.43	16.2	24.1
1100-55F												
1100-66E	22	19/34	0.031	0.79	0.051	1.30	0.124	3.15	0.148	3.76	19.5	29.0
1100-66F												
1100-77E	20	19/32	0.040	1.02	0.060	1.52	0.142	3.61	0.167	4.24	24.8	36.9
1100-77F												
1100-88E	18	19/30	0.050	1.27	0.070	1.78	0.162	4.11	0.189	4.80	31.4	46.7
1100-88F												
1100-99E	16	19/29	0.057	1.45	0.080	2.03	0.188	4.78	0.208	5.28	38.6	57.4
1100-99F												

E = Wrapped Teflon® jacket.

F = Extruded Teflon® jacket.

All dimensions are nominal.

## Three Conductor



Catalog No.	AWG Size	Stranding	Conductor O.D.		Insulation O.D.		Shield O.D.		Jacket O.D.		Weight	
			(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lbs / 1000 ft)	(kg / km)
1100-22S	30	7/38	0.012	0.30	0.032	0.81	0.092	2.34	0.114	2.90	11.7	17.4
1100-22T												
1100-33S	28	7/36	0.015	0.38	0.035	0.89	0.098	2.49	0.120	3.05	13.1	19.5
1100-33T												
1100-44S	26	19/38	0.019	0.48	0.039	0.99	0.107	2.72	0.129	3.28	15.8	23.5
1100-44T												
1100-55S	24	19/36	0.025	0.64	0.045	1.14	0.119	3.02	0.135	3.43	19.5	29.0
1100-55T												
1100-66S	22	19/34	0.031	0.79	0.051	1.30	0.132	3.35	0.148	3.76	23.7	35.3
1100-66T												
1100-77S	20	19/32	0.040	1.02	0.060	1.52	0.151	3.84	0.167	4.24	30.8	45.8
1100-77T												
1100-88S	18	19/30	0.050	1.27	0.070	1.78	0.173	4.39	0.189	4.80	41.5	61.8
1100-88T												
1100-99S	16	19/29	0.057	1.45	0.080	2.03	0.195	4.95	0.213	5.41	49.5	73.7
1100-99T												

S = Wrapped Teflon® jacket.

T = Extruded Teflon® jacket.

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