

Teflon®

High-Temperature

UL AWM Style 1213 — 105°C

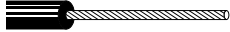
(Type E) MIL-W-16878/4

Teflon — 600V, 200°C

VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

105°C (UL) • 600V, 200°C (MIL-Spec)

UL AWM Style 1213 • (Type E) MIL-W-16878/4 — Teflon										
83000	30 (7x38)	.010	.25	.032	.81	100 [†]	30.5	.1	.05	1-10
						1000 [†]	304.8	1.0	.50	1-10
83001*	28 (7x36)	.010	.25	.035	.89	100 [†]	30.5	.2	.10	1-10
						1000 [†]	304.8	2.0	.90	1-10
83002	26 (7x34)	.010	.25	.037	.94	100 [†]	30.5	.2	.10	1-10
						500 [†]	152.4	1.0	.50	9
						1000 [†]	304.8	3.0	1.40	1-10
83003*	24 (19x36)	.010	.25	.043	1.09	100 [†]	30.5	.3	.10	1-10
						500 [†]	152.4	1.5	.70	1-10
						1000 [†]	304.8	3.0	1.40	1-10
83004	24 (7x32)	.010	.25	.043	1.09	100 [†]	30.5	.3	.10	1-10
						500 [†]	152.4	1.5	.70	2, 10
						1000 [†]	304.8	3.0	1.40	1-10
83005	22 (7x30)	.010	.25	.049	1.24	100 [†]	30.5	.4	.20	1-10
						500 [†]	152.4	3.0	1.40	2, 9, 10
						1000 [†]	304.8	4.0	1.80	1-10
83006*	22 (19x34)	.010	.25	.048	1.22	100 [†]	30.5	.4	.20	1-10
						500 [†]	152.4	3.0	1.40	1-10
						1000 [†]	304.8	4.0	1.80	1-10
83007*	20 (19x32)	.010	.25	.056	1.42	100 [†]	30.5	.5	.20	1-10
						500 [†]	152.4	4.0	1.80	2, 9, 10
						1000 [†]	304.8	6.0	2.70	1-10
83008	20 (7x28)	.010	.25	.058	1.47	100 [†]	30.5	.5	.20	1-10
						500 [†]	152.4	4.0	1.80	1-10
						1000 [†]	304.8	6.0	2.70	1-10

*Complies with MIL-W-16878 except stranding.

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



Teflon®

High-Temperature

UL AWM Style 1371 — 105°C
 (Type E) MIL-W-16878/4
 Teflon — 600V, 200°C
 VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



UL AWM Style 1371 — 105°C
 (Type ET) MIL-W-16878/6
 Teflon — 250V, 200°C
 VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

105°C (UL) • 600V, 200°C (MIL-Spec)

UL AWM Style 1371 • (Type E) MIL-W-16878/4 — Teflon										
83009*	18 (19x30)	.011	.28	.068	1.73	100 [†]	30.5	1.0	.5	1-10
						500 [†]	152.4	4.5	2.0	1-10
						1000 [†]	304.8	9.0	4.1	1-10
83010*	16 (19x29)	.012	.30	.076	1.93	100 [†]	30.5	1.2	.5	1-10
						500 [†]	152.4	6.0	2.7	1-10
						1000 [†]	304.8	11.0	5.0	1-10

*Complies with MIL-W-16878 except stranding.
 †Spools may contain more than one piece. Length may vary ±10% from length shown.

105°C (UL) • 250V, 200°C (MIL-Spec)

UL AWM Style 1371 • (Type ET) MIL-W-16878/6 — Teflon										
83041	32 (7x40)	.006	.15	.022	.56	100 [†]	30.5	.1	.05	6, 7, 10
						1000 [†]	304.8	1.0	.50	6, 7, 10
83043	30 (7x38)	.006	.15	.024	.61	100 [†]	30.5	.1	.05	2, 5, 7-10
						1000 [†]	304.8	1.0	.50	2, 5, 7, 9, 10
83045	28 (7x36)	.006	.15	.027	.69	100 [†]	30.5	.1	.05	1, 2, 5, 6, 9, 10
						1000 [†]	304.8	1.0	.50	1, 2, 5, 6, 9, 10
83046	26 (7x34)	.006	.15	.031	.79	100 [†]	30.5	.2	.10	1-4, 6-9
						1000 [†]	304.8	2.0	.90	1-4, 6-10
83047	24 (7x32)	.006	.15	.036	.91	100 [†]	30.5	.2	.10	6, 8-10
						1000 [†]	304.8	2.0	.90	2, 6, 8-10
83048	24 (19x36)	.006	.15	.036	.91	100 [†]	30.5	.2	.10	1-3, 5, 7, 8, 10
						1000 [†]	304.8	2.0	.90	1-3, 5, 7, 8, 10
83049	22 (7x30)	.006	.15	.042	1.07	100 [†]	30.5	.3	.10	1-10
						1000 [†]	304.8	4.0	1.80	1-10
83050	22 (19x34)	.006	.15	.042	1.07	100 [†]	30.5	.3	.10	1-3, 5-9
						1000 [†]	304.8	4.0	1.80	1-3, 5-9

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



Silicone Rubber Braidless

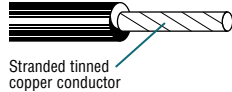
UL AWM Style 3212, 3213, 3214 600V, 150°C (CSA Type AWM)

Product Description

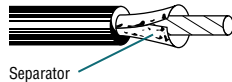
The 333 series of braidless Silicone 150°C lead wire features easy and clean stripping without the problems associated with glass braid wire. It has excellent physical and mechanical strength properties. Braidless Silicone lead wire is also recommended for consideration in applications requiring Class 155(F) or Class 180(H) materials. Recommended for high-temperature applications in motors, lighting fixtures, clothes dryers, stoves, therapeutic and electronic devices. It is recommended that varnish compatibility be checked before production. Some rigid varnishes may cause cracking when the wire is severely bent.

Recommended maximum baking cycles:
24 hours @ 410°F (210°C)

Stranded Conductor



Separator Over Conductor

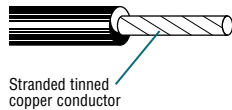


UL AWM Style 3135 600V, 200°C

Product Description

The 334 Series is for use only in totally enclosed systems.

Recommended maximum baking cycles:
24 hours @ 410°F (210°C)



Part No.	AWG (stranding) [sq. mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

600V, 150°C (UL & CSA)

UL AWM Style 3212 • CSA Type AWM

33322	22 (7x30) [.36 (7x.25)]	.045	1.14	.125	3.18	*	*	*	*	Special Order*
33320	20 (10x30) [.51 (10x.25)]	.045	1.14	.132	3.53	*	*	*	*	Special Order*
33318	18 (16x30) [.81 (16x.25)]	.045	1.14	.142	3.61	500 [†]	152.4	7.0	3.2	9, 10
33316	16 (26x30) [1.32 (26x.25)]	.045	1.14	.155	3.94	500 [†]	152.4	9.5	4.3	9, 10
33314	14 (41x30) [2.08 (41x.25)]	.045	1.14	.170	4.32	500 [†]	152.4	12.0	5.5	9, 10
33312	12 (65x30) [3.29 (65x.25)]	.045	1.14	.190	4.83	500 [†]	152.4	20.0	9.1	9, 10
33310^{††}	10 (65x28) [5.23 (65x.32)]	.045	1.14	.209	5.31	500 [†]	152.4	24.0	10.9	10

UL AWM Style 3213 • CSA Type AWM

33308^{††}	8 (84x27) [8.60 (84x.36)]	.060	1.52	.283	7.19	500 [†]	152.4	40.5	18.4	10
33306^{††}	6 (84x25) [13.66 (84x.46)]	.060	1.52	.334	8.48	500 [†]	152.4	68.0	30.9	10
33304^{††}	4 (105x24) [21.53 (105x.51)]	.060	1.52	.390	9.91	250 [†]	76.2	48.8	22.2	10
33302^{††}	2 (163x24) [33.43 (163x.51)]	.060	1.52	.457	11.61	250 [†]	76.2	68.8	31.3	10

UL AWM Style 3214 • CSA Type AWM

33390^{††}	1/0 (262x24) [53.73 (262x.51)]	.080	2.03	.594	15.09	250 [†]	76.2	108.3	49.2	10
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* Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1.**

[†] Spools may contain more than one piece. Length may vary ±10% from length shown.

^{††} Separator over conductor.

600V, 200°C (UL)

UL AWM Style 3135

33418	18 (7x26) [.94 (7x.41)]	.030	.76	.111	2.82	*	*	*	*	Special Order*
33416	16 (7x24) [1.44 (7x.51)]	.030	.76	.123	3.12	*	*	*	*	Special Order*
33414	14 (7x22) [2.27 (7x.64)]	.030	.76	.139	3.53	*	*	*	*	Special Order*

* Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1.**



Test Prod Wire

18 AWG Rubber Insulated 5000V, 90°C

Product Description

Tinned copper, rubber insulated.

Suggested Working Voltage: 5000V

Breakdown Voltage: 20,000V



18 AWG PVC Insulated UL AWM Style 1855 (5000V, 80°C)

Product Description

Tinned copper, PVC insulated. Use test probe leads for electrical and electronic measuring for test equipment.

Suggested Working Voltage: 5000V



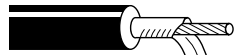
18 AWG Rubber Insulated 5000V, 80°C

Product Description

Tinned copper, separator, rubber insulated. Manufactured for MIL-W-13169B.

Suggested Working Voltage: 5000V

Breakdown Voltage: 20,000V



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

18 AWG Rubber Insulated

5000V, 90°C

8899	18 (65x36)	.045	1.14	.144	3.66	10	3.0	.2	.1	2, 10
						14	4.3	.5	.2	2, 10
						25	7.6	.6	.3	2, 4, 5, 6, 8, 9, 10
						100	30.5	2.3	1.0	2, 4, 5, 6, 8, 9, 10
						U-500	U-152.4	8.0	3.6	2, 10
						500	152.4	8.5	3.9	2, 4, 5, 6, 8, 9, 10
						U-1000	U-304.8	16.0	7.3	2, 10
						1000	304.8	17.0	7.7	2, 10

18 AWG PVC Insulated (UL)

UL AWM Style 1855 • 5000V, 80°C

9899	18 (65x36)	.048	1.22	.144	3.66	100	30.5	2.2	1.0	2, 10
						500	152.4	7.5	3.4	2, 5, 9, 10
						1000	304.8	15.0	6.8	2, 10

18 AWG Rubber Insulated

5000V, 80°C

8897	18 (65x36)	.045	1.14	.144	3.66	U-500	U-152.4	8.5	3.9	2, 10
						500	152.4	8.5	3.9	2, 10



Test Prod Wire and Gas Tube Sign and Ignition Cable

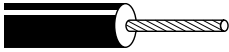
18 AWG Rubber Insulated 10,000V, 90°C

Product Description

Tinned copper, rubber insulated.

Suggested Working Voltage: 10,000V

Breakdown Voltage: 29,000V



24 AWG Rubber Insulated 1000V, 90°C • Miniature

Product Description

Tinned copper, separator, rubber insulated.

Suggested Working Voltage: 1000V

Breakdown Voltage: 10,000V



Gas Tube Sign and Ignition UL GTO-10 — 10kV, 105°C (CSA Type GTO-10 — 10kV)

Product Description

GTO cables are single conductors for use with gas-tube systems for signs, outline lighting or interior lights and for use with oil-burning equipment in accordance with the National Electrical Code. GTO-10 lead wire has an 18 AWG stranded tinned copper conductor and is insulated with a chemically cross-linked ethylene-propylene diene elastomer. Unshielded, it is available with either a flat black (color code 10) or dark gray (color code 876) exterior.



Stranded tinned copper conductor

Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

18 AWG Rubber Insulated

10,000V, 90°C										
8898	18 (65x36)	.088	2.24	.229	5.82	25	7.6	1.7	.8	2, 10
						100	30.5	4.4	2.0	2, 10
						500	152.4	20.0	9.1	2, 10

24 AWG Rubber Insulated

1000V, 90°C • Miniature										
8890	24 (45x40)	.019	.48	.066	1.68	25	7.6	.1	.05	2, 10
						100	30.5	.4	.20	2, 10
						500	152.4	2.5	1.10	2, 10

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

10kV, 105°C (UL) • 10kV (CSA)

UL and CSA Type GTO-10										
39018	18 (19x30) [.96 (19x.25)]	.100	2.54	.247	6.27	500*	152.4	18.0	8.2	10, 876
						1000*	304.8	37.0	16.8	10, 876
						1500*	457.3	54.0	24.5	10, 876

*Spools may contain more than one piece. Length may vary ±10% from length shown.

