

Neoprene

UL AWM Style 3044 300V, 90°C (CSA Type CL902)

Product Description

Neoprene insulation has good heat aging characteristics and is an excellent low-cost motor lead wire. It may be considered for use in hazardous locations and is being used in explosion-proof motors recognized by UL. 12 AWG and smaller sizes are dual labeled UL and CSA.

Recommended maximum baking cycles:

24 hours @ 300°F (149°C) • 8 hours @ 325°F (163°C)
15 minutes @ 450°F (232°C)



Stranded tinned
copper conductor

UL AWM Style 3046, 3048, 3049 600V, 90°C (CSA Type CL903 available as shown)

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Stranded Conductor



Stranded tinned
copper conductor

Separator Over Conductor



Separator

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	

300V, 90°C (UL & CSA)

UL AWM Style 3044 • CSA Type CL902										
31520	20 (10x30) [.51 (10x.25)]	.030	.76	.100	2.54	500 [†]	152.4	5.0	2.3	10
						5000 ^{††}	1524.0	40.0	18.2	10
31518	18 (16x30) [.81 (16x.25)]	.030	.76	.109	2.77	500 [†]	152.4	6.0	2.7	2, 4, 5, 6, 9, 10
						2000 ^{††}	609.6	22.0	10.0	1-3, 5, 6, 9, 10
						5000 ^{††}	1524.0	55.0	25.0	1-6, 9, 10, B02
31516	16 (26x30) [1.32 (26x.25)]	.030	.76	.122	3.10	500 [†]	152.4	8.0	3.6	2-6, 9, 10
						5000 ^{††}	1524.0	75.0	34.1	2, 4, 5, 9, 10

[†]May contain more than one piece. Minimum length of any one piece is 50 ft.

^{††}May contain more than one piece. Minimum length of any one piece is 200 ft.

600V, 90°C (UL)

UL AWM Style 3046 • CSA Type CL903										
32518	18 (16x30) [.81 (16x.25)]	.045	1.14	.142	3.61	500 [†]	152.4	8.5	3.9	9, 10
						5000 ^{††}	1524.0	80.0	36.4	9, 10
32516	16 (26x30) [1.32 (26x.25)]	.045	1.14	.155	3.94	500 [†]	152.4	11.0	5.0	2-6, 9, 10
						5000 ^{††}	1524.0	105.0	47.7	10
31514	14 (41x30) [2.08 (41x.25)]	.045	1.14	.169	4.29	500 [†]	152.4	13.5	6.1	2, 4, 5, 9, 10
						4000 ^{††}	1219.2	108.0	49.1	2, 4, 5, 9, 10
31512	12 (65x30) [3.29 (65x.25)]	.045	1.14	.190	4.83	250 [†]	76.2	10.0	4.5	10
						3000 ^{††}	914.4	117.0	53.2	10
UL AWM Style 3046**										
31510	10 (65x28) [5.29 (65x.32)]	.045	1.14	.209	5.31	250 [†]	76.2	13.0	5.9	10
						2000 ^{††}	609.6	106.0	48.2	10
UL AWM Style 3048**										
31508*	8 (84x27) [8.60 (84x.36)]	.060	1.52	.285	7.24	500 [†]	152.4	47.5	21.6	2, 10
31506*	6 (84x25) [13.66 (84x.46)]	.060	1.52	.343	8.71	500 [†]	152.4	66.5	30.2	10
31504*	4 (105x24) [21.53 (105x.51)]	.060	1.52	.399	10.14	250 [†]	76.2	52.0	23.6	10
31502*	2 (163x24) [33.43 (163x.51)]	.060	1.52	.454	11.53	250 [†]	76.2	69.3	31.4	10
UL AWM Style 3049**										
31501*	1 (210x24) [43.07 (210x.51)]	.080	2.03	.557	14.15	250 [†]	76.2	98.5	44.8	10
31590*	1/0 (262x24) [53.73 (262x.51)]	.080	2.03	.607	15.42	250 [†]	76.2	116.8	53.1	10
31500*	2/0 (504x26) [67.85 (504x.41)]	.080	2.03	.668	16.97	250 [†]	76.2	141.5	64.3	10

*Separator over conductor.

**CSA requires additional wall thickness in sizes 10 AWG and larger to meet CL903 requirements.

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^{††}May contain more than one piece. Minimum length of any one piece is 200 ft.