



Technical Data

Diameter Ranges of Jacketed Cord Chart and Decimal Equivalents Table

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"-.26" (5.6-6.6)	.23"-.27" (5.8-6.9)	—	—
SVO, SVT, SVTOO, SVTO	16	.25"-.28" (6.2-7.1)	.26"-.30" (6.6-7.5)	—	—
SJ, SJE, SJOO, SJO, SJEO, SJEOSJT, SJTO, SJTOO, SJEW, SJOOW, SJOW, SJEOW, SJEOW, SJTW, SJTOW, SJTOOW	18	.28"-.32" (7.1-8.1)	.30"-.34" (7.6-8.6)	.33"-.37" (8.4-9.4)	—
	16	.31"-.34" (7.9-8.6)	.33"-.36" (8.4-9.1)	.35"-.40" (8.9-10.2)	—
	14	.34"-.38" (8.6-9.7)	.36"-.40" (9.1-10.2)	.39"-.44" (9.9-11.2)	—
	12	.41"-.46" (10.4-11.7)	.43"-.48" (10.9-12.2)	.47"-.52" (11.9-13.2)	—
	10	.54"-.61" (13.7-15.5)	.57"-.64" (14.5-16.3)	.63"-.70" (16.0-17.8)	—
S, SE, SOO, SEO, SEOO, ST	18	.34"-.39" (8.6-9.9)	.36"-.40" (9.1-10.2)	.39"-.43" (9.9-10.9)	.46"-.51" (11.7-13.0)
STOO, STO, SEW, SOOW,	16	.37"-.41" (9.4-10.4)	.39"-.43" (9.9-10.9)	.41"-.46" (10.4-11.7)	.49"-.55" (12.4-14.0)
SOW, SEOW, SEOW, STW,	14	.50"-.55" (12.7-14.0)	.52"-.58" (13.2-14.7)	.56"-.62" (14.2-15.7)	.63"-.71" (16.0-18.0)
STOOW, STOW	12	.57"-.63" (14.5-16.0)	.59"-.66" (15.0-16.8)	.64"-.71" (16.3-18.0)	.70"-.77" (17.8-19.6)
	10	.62"-.69" (15.7-17.5)	.65"-.72" (16.5-18.3)	.70"-.78" (17.8-19.8)	.76"-.84" (19.3-21.3)
	8	.78"-.88" (19.8-22.4)	.83"-.93" (21.1-23.6)	.93"-.1.05" (23.6-26.7)	1.00"-.1.15" (25.4-29.2)
	6	.92"-.1.05" (23.4-26.7)	.97"-.1.10" (24.6-27.9)	1.05"-.1.20" (26.7-30.5)	1.18"-.1.33" (30.0-33.8)
	4	1.06"-.1.21" (26.9-30.7)	1.13"-.1.28" (28.7-32.5)	1.25"-.1.45" (31.8-36.8)	—
	2	1.21"-.1.40" (30.7-35.6)	1.30"-.1.50" (33.0-38.1)	1.45"-.1.65" (36.8-41.9)	—

Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
W, G, G-GC, G-BGC, PPC	6	0.945" (24.0)	0.984" (25.0)	1.102" (28.0)	1.220" (31.0)
	4	1.063" (27.0)	1.142" (29.0)	1.260" (32.0)	1.417" (36.0)
	3	1.181" (30.0)	1.220" (31.0)	1.339" (34.0)	1.496" (38.0)
	2	1.260" (32.0)	1.339" (34.0)	1.496" (38.0)	1.614" (41.0)
	1	1.339" (34.0)	1.496" (38.0)	1.654" (42.0)	1.890" (48.0)
	1/0	1.417" (36.0)	1.614" (41.0)	1.772" (45.0)	1.929" (49.0)
	2/0	1.535" (39.0)	1.732" (44.0)	1.929" (49.0)	2.047" (52.0)
	3/0	1.654" (42.0)	1.890" (48.0)	2.047" (52.0)	2.244" (57.0)
	4/0	1.772" (45.0)	2.008" (51.0)	2.244" (57.0)	2.441" (62.0)

Decimal Equivalents Table

Inches	Inches	Millimeters	Inches	Inches	Millimeters	Inches	Inches	Millimeters
1/64	.015625	.3969	25/64	.390625	9.9219	49/64	.765625	19.4469
1/32	.03125	.7938	13/32	.40625	10.3188	25/32	.78125	19.8438
3/64	.046875	1.1906	27/64	.421875	10.7156	51/64	.796875	20.2406
1/16	.0625	1.5875	7/16	.4375	11.1125	13/16	.8125	20.6375
5/64	.078125	1.9844	29/64	.453125	11.5094	53/64	.828125	21.0344
3/32	.09375	2.3813	15/32	.46875	11.9063	27/32	.84375	21.4313
7/64	.109375	2.7781	31/64	.484375	12.3031	55/64	.859375	21.8281
1/8	.1250	3.1750	1/2	.5000	12.7000	7/8	.8750	22.2250
9/64	.140625	3.5719	33/64	.515625	13.0969	57/64	.890625	22.6219
5/32	.15625	3.9688	17/32	.53125	13.4938	29/32	.90625	23.0188
11/64	.171875	4.3656	35/64	.546875	13.8906	59/64	.921875	23.4156
3/16	.1875	4.7625	9/16	.5625	14.2875	15/16	.9375	23.8125
13/64	.203125	5.1594	37/64	.578125	14.6844	61/64	.953125	24.2094
7/32	.21875	5.5563	19/32	.59375	15.0813	31/32	.96875	24.6063
15/64	.234375	5.9531	39/64	.609375	15.4781	63/64	.984375	25.0031
1/4	.2500	6.3500	5/8	.6250	15.8750	1	1.0000	25.4000
17/64	.265625	6.7469	41/64	.640625	16.2719			
9/32	.28125	7.1438	21/32	.65625	16.6688			
19/64	.296875	7.5406	43/64	.671875	17.0656			
5/16	.3125	7.9375	11/16	.6875	17.4625			
21/64	.328125	8.3344	45/64	.703125	17.8594			
11/32	.34375	8.7313	23/32	.71875	18.2563			
23/64	.359375	9.1281	47/64	.734375	18.6531			
3/8	.3750	9.5250	3/4	.7500	19.0500			

