

Selection Guide Cord & Cable Diameters **

Type of Cord	AWG Size of Conductors	Number of Conductors-Approximate O.D.* in Inches		
		2 Conductor	3 Conductor	4 Conductor
SVO, SVTO	18	.235	.255	—
	18	.290	.320	.335
SJ, SJO, SJT, SJTO	16	.320	.340	.385
	14	.350	.375	.415
	12	.430	.445	.500
	10	.560	.600	.680
	18	.345	.365	.390
S, SO, ST, STO	16	.370	.390	.415
	14	.500	.530	.570
	12	.575	.600	.650
	10	.625	.660	.710
	8	.675	.725	.780
	6	.795	.865	.900
	4	.900	.975	1.100
	2	1.105	1.170	1.290
Type W power cord	6	.930	1.010	1.100
	4	1.080	1.170	1.270
	3	1.170	1.240	1.340
	2	1.270	1.340	1.480
	1	1.440	1.510	1.680
	1/0	1.520	1.650	1.790
	2/0	1.650	1.750	1.930
	3/0	1.770	1.890	2.070
	4/0	1.920	2.040	2.260
	250	—	2.390	—
BUS DROP CABLE	14	—	.400	—
	12	—	.440	—
	10	—	.500	—
	8	—	.665	—
	6	—	.815	—
	4	—	.955	—
	2	—	1.175	—

* Outer Diameters of cables shown are nominal dimensions and may vary with by min/max and also by manufacturer.

Guideline to Letter Codes:

Letter codes have been defined by Underwriters Labs (UL) to describe various attributes and ratings of portable cords.

S = Severe Service Cord – 600 volts (also 277/480 or 480) – May be utilized in place of SJ or SV in extra-severe service

SJ = Junior Severe Service – 300 volts (also 120 or 120/208 or 120/240 or 240 or 277, but not 277/480)

SVT = Vacuum cleaner cord, or light duty cord

T = Tinsel Cord (only if first letter of code for a portable cord)

T = Thermoplastic (if not first letter of code)

H = Heat Resistant

HH = High Heat Resistant

N = Nylon Outer Jacket Material

E = Elastomer (flexible thermoplastic that looks and feels like rubber)

O = Oil-Resistant Outer Jacket

OO = Oil-Resistant Outer Jacket and Oil-Resistant Interior Insulation

P = Parallel Cord (conductors are not twisted around each other)

V = Vacuum Cord – 300 volts (typically used with vacuum cleaners and other portable cleaning equipment)

W-A = Weather Resistant (UL approved for indoor and outdoor use)

W = Weather and Water Resistant (CSA approved for indoor and outdoor use)

** This chart is prepared as a guideline for informational purposes only. Dimensions may vary by cable manufacturer.