



UL General-Use Circuit Ampacity Reference Chart

Circuit-conductor ampacity and voltage rating for jacketed cords in general-use cord sets and power-supply cords per UL guidance

Types of Cord	Gauge Size Range	Number of Cord Conductors	Number of Current Carrying Conductors ¹	Ampacity of Current-Carrying Conductors (amperes)		Voltage Rating of Cord
				0 - 50 ft. (0 - 15.2 m)	Over 50 ft. (Over 15.2 m)	
STO - Service Thermoplastic Oil Resistant	18 AWG	2, 3 or 4	2	10 Amps	7 Amps	600 Volts AC
		3 or 4	3	7 Amps	5.6 Amps	
STOW - Service Thermoplastic Oil Resistant Weather-resistant	16 AWG	2, 3 or 4	2	13 Amps	10 Amps	600 Volts AC
		3 or 4	3	10 Amps	7 Amps	
SOOW - Service Oil Resistant Insulation/ Jacket Weather-resistant	14 AWG	2, 3 or 4	2	18 Amps	13 Amps	600 Volts AC
		3 or 4	3	15 Amps	10 Amps	
	12 AWG	2, 3 or 4	2	25 Amps	18 Amps	600 Volts AC
		3, 4 or 5	3	20 Amps	15 Amps	
	10 AWG	2, 3 or 4	2	30 Amps	25 Amps	600 Volts AC
		3, 4 or 5	3	25 Amps	20 Amps	
	8 AWG	2, 3 or 4	2	40 Amps	30 Amps	600 Volts AC
3, 4 or 5		3	35 Amps	25 Amps		
4 AWG	2, 3 or 4	2	70 Amps	55 Amps	600 Volts AC	
	3, 4 or 5	3	60 Amps	45 Amps		
2 AWG	2, 3 or 4	2	95 Amps	70 Amps	600 Volts AC	
	3, 4 or 5	3	80 Amps	60 Amps		
SJT - Service Junior Thermoplastic	18 AWG	2, 3 or 4	2	10 Amps	7 Amps	300 Volts AC
		3 or 5	3	7 Amps	5.6 Amps	
SJTOW - Service Junior Thermoplastic Oil Resistant Weather-resistant	16 AWG	2, 3 or 4	2	13 Amps	10 Amps	300 Volts AC
		3 or 4	3	10 Amps	7 Amps	
	14 AWG	2, 3 or 4	2	18 Amps	13 Amps	300 Volts AC
		3 or 4	3	15 Amps	10 Amps	
12 AWG	2, 3 or 4	2	25 Amps	18 Amps	300 Volts AC	
	3, 4 or 5	3	20 Amps	15 Amps		
10 AWG	2, 3 or 4	2	30 Amps	25 Amps	300 Volts AC	
	3, 4 or 5	3	25 Amps	20 Amps		

¹ A conductor that is used to carry an unbalanced current from the other conductors is not considered to be a current carrying conductor.

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				0 - 50 ft. (0 - 15.2 m)	Over 50 ft. (Over 15.2 m)	
SVT - Service Vacuum Thermoplastic	18 AWG	2 or 3	2	10 Amps	7 Amps	300 Volts AC
	17 AWG	2 or 3	2	12 Amps	10 Amps	300 Volts AC
	16 AWG	2 or 3	2	13 Amps	10 Amps	300 Volts AC