



Recommended Wire Size And Maximum Length For Service  
To Single Phase Cooler And Freezer Cabinets

Wire Size AWG	Unit Rated Amps	Maximum Length(Ft.)	
		208-240 Volts	120 Volts
14	6	137	79
14	8	103	59
14	10	82	48
14	12	68	40
14	14	59	34
12	6	211	122
12	8	158	91
12	10	127	73
12	12	106	61
12	14	90	52
12	16	79	46
12	18	70	41
10	10	208	120
10	12	174	100
10	14	149	86
10	16	130	75
10	18	116	67
10	20	104	60
10	22	95	55
10	24	87	50
10	26	80	46

The above chart can be used directly for hard wired units. For cord-connected units, deduct the unit power cord length, typically 12 feet.

Unless otherwise allowed by the National Electric Code or local codes, the maximum overcurrent protection on a 14 ga. circuit is 15 amps, the maximum overcurrent protection on a 12 ga. circuit is 20 amps and the maximum overcurrent protection on a 10 ga. circuit is 30 amps.