

Type MC Cable Wire Size & Amp Ratings

- Ampacity is the maximum current that a conductor can carry continuously under the conditions of use without exceeding its temperature rating. Current is measured in amperes or “amps.” You must use the correct size wire for the current (load) requirement of the circuit to prevent the wire from overheating.
- The number and type of electrical devices connected to a circuit determine the ampacity requirement of the conductor. Usually, a general-purpose house circuit is designed for 20 amps. Lighting circuits may be designed for only 15 amps.
- To calculate the load requirement for a circuit, first add up the wattage of all the electrical devices that will be on the circuit. Then, divide the total wattage by the voltage of the system, typically 120 or 240, and that will give you the required current or amps.

Wire Gauge Size	COPPER
	90° C (194°F)
	THWN-2
	THHN
	XHHW-2
14/2	25
14/3	25
14/4	25
12/2	30
12/3	30
12/4	30
10/2	40
10/3	40
10/4	40
8/2	55
8/3	55
8/4	55
6/2	75
6/3	75
6/4	75
4/3	95
4/4	95
3/3	115
3/4	115
2/3	130
2/4	130

WARNING! Installation of electrical wire can be hazardous if done improperly, and can result in personal injury or property damage. For safe wiring practices, consult the National Electrical Code® your local building inspector, or a qualified electrician.