American Wire Gauge (AWG) Equivalent for Copper Wire Sizes

⚠ WARNING

- **Read and understand all instructions before attempting to operate, adjust, or maintain any Victaulic grooving tools.**
- **Always disconnect the tool from the power source before attempting to perform maintenance on any components.**
- **Wear safety glasses, hardhat, foot protection, and hearing protection when working with tools.**

Failure to follow these instructions could result in serious personal injury and product damage.

The following information is provided as a guide for choosing proper extension cords for use with Victaulic Pipe Preparation Tools. When pre-wired outlets are not available and an extension cord must be used, it is important to use the proper cord size. Cord size selection is based upon tool rating (amps) and cord length. Cord sizes thinner than required will cause significant voltage drop at the tool's motor while the tool is operating. Voltage drops may cause damage to the tool's motor and can result in improper tool operation. **NOTE:** It is acceptable to use a heavier cord size than what is required. Use of extension cords longer than 100 feet/30 meters must be avoided.

AMERICAN WIRE GAUGE (AWG) EQUIVALENT FOR COPPER WIRE SIZES

American Wire Gauge (AWG) Number	Wire Diameter in millimeters	Wire Diameter in inches	Wire Cross Sectional Area (millimeters^2)	Wire Cross Sectional Area (inches^2)	Wire Circular Mils	Wire Maximum Amp Draw
10	2.59	0.1019	5.26	0.0082	10382	25
12	2.05	0.0808	3.31	0.0051	6529	15
14	1.63	0.0641	2.08	0.0032	4106	10
16	1.29	0.0508	1.31	0.0020	2582	–
18	1.02	0.0404	0.82	0.0013	1624	–

NOTE: If the exact cross-sectional area or Circular Mils equivalent cannot be found, choose the next largest wire available.

Multi-strand wire is often used for extension cords.

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