

Specifications

- * ASTM B3: Standard Specification for Soft or Annealed Copper Wire
- * ASTM B172: Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors
- * UL 1650: Standard for Portable Power Cable
- * MSHA: Approved

Applications and Features

Southwire Type W cable is a heavy-duty industrial cable for use in flexible, portable, and extra-hard usage applications per Article NEC 400. Suitable for continuous submersion in water – ideal for submersible pumps. Also suitable for use in light to medium-duty mining applications. Sunlight and oil resistant. Highly flexible and easy to work with in cold conditions. Not for use as permanent building wiring. Meets FT-5 Flame Test.



Construction

Cable image is for reference only and does not depict actual cable construction

- 1) Conductor: Bare, soft drawn, annealed, flexible, rope-lay stranded copper per ASTM B3/B172
- 2) Separator Tape: Non-conducting tape applied between the conductor and insulation to facilitate stripping
- 3) Insulation: Ethylene Propylene Diene Monomer (EPDM). Color coded dark gray, black, brown, green/yellow
- 4) Fillers: Paper fillers applied as needed to round the cable core
- 5) Reinforcement Binder: Reinforcing binder with twine applied over the core
- 6) Jacket: Black, flame resistant, thermosetting Chlorinated Polyethylene (CPE)

Print Legend

4 AWG 4/C TYPE W PORTABLE POWER CABLE 90C - WET OR DRY 2000V OIL AND SUN. RES. (UL) P-136-35-MSHA --- AIW(TM) E172226 MASTER-DESIGN

Stock Code	Conductor Size	Conductor Strands	Conductor Number	Insulation Thickness	Jacket Thickness	Approx. Overall OD	Approx. Weight	Ampacity @ 30°C Ambient
-	AWG	Strands	Num	mils	mils	inches	lbs./1,000'	75/90°C amps
671228	4	259	4	60	180	1.270	1,130	81/91

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

Table 400.5(A)(1) Ampacity for flexible cords and flexible cables based on ambient temp of 30°C (86°F)

Cust. Spec Approval: _____

Dwn/Chk By:	SS	Req By:	KB	2/25/2022
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