Twisted Pump 600 Volt Cable Type THW

600 Volts, Solid or Stranded Copper Conductors. Polyvinyl Chloride (PVC) Insulation. Water Well Cable, Moisture Resistant, Twisted Configuration. Rated 75°C,



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Solid soft drawn or fully annealed bare copper per ASTM B3. Stranded class B compressed bare copper ASTM B8
2. **Insulation:** Polyvinyl Chloride (PVC) Type THW

APPLICATIONS AND FEATURES:

For use in residential, farm and industrial water well applications where the cable is not subject to repeated handling caused by frequent servicing of the pump units. Grounded and ungrounded water well cable systems. Conductors are twisted and colored black, red, and yellow when supplied with three conductors and green ground. Cable is supplied without an overall jacket. For use within well casings.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wires and Cables

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Conductor	Insul. Thickness	Ground	Approx. OD	Approx. Weight
	AWG/Kcmil	No.	No.	inch	mil	No. x AWG	inch	lb/1000ft
563706◊	12	3	Solid	0.080	45	1 x 12	0.414	122

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Electrical and Engineering Data

Cond. Size	DC Resistance @ 25°C	AC Resistance @ 90°C	Inductive Reactance	Max Pull Tension	Min Bending Radius	Allowable Ampacity At 75°C
AWG/Kcmil	Ω/1000ft	Ω/1000ft	Ω/1000ft	lb	inch	Amp
12	1.662	2.002	0.054	156	1.7	25

* Inductive impedance is based on non-ferrous conduit with one diameter spacing.

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