

PART NUMBER: 41110
DESCRIPTION: 6 AWG MTW CABLE
CONSTRUCTION: This cable consists of one bare copper conductor with integral insulation and jacket.
APPROVALS: UL Standard 1063 and Subject 758, CSA 22.2 No. 210.
APPLICATION: Machine Tool Wire, Appliance Wiring Material, and Equipment Wire

Construction Parameters:

Conductor	6 AWG Bare Copper
Stranding	19/.0372"
Insulation Material	PVC
Insulation Thickness	0.064" Nom.
Insulated Conductor Diameter	0.306" Nom.
Approximate Cable Weight	111.1 Lbs/1M' Nom.
Flame Rating	VW-1 or FT1 Vertical Flame Test

Electrical Properties:

Temperature Rating	-30°C to 105°C Dry 60°C Oil 60°C Water
Operating Voltage	600 V RMS Max.
DC Resistance per Conductor @ 20°C	0.40 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1*	81 Amps Max.

Insulation/Jacket Color	Colors vary
Legend (Surface Ink Print)	6 AWG (13.3mm ²) E69567 (UL) BC-5W2 OR MTW OR THHW OR AWM 1232/1283/1346 600V OR 10269 1000V OIL RES I SUN RES VW-1 -- 156205 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1 -- SAE J1127 TYPE SGT

This product complies with European Directive 2015/863 – RoHS 3
* Ampacities converted to 105C ampacity using 60C cable temperature and 30C ambient from NFPA 79 Table 12.5.1.
Final determination of wire size/ampacity will be governed by local jurisdiction.
Ampacities are provided for engineering information only. Southwire cannot recommend or express the use of this ampacity.
On special orders, the customer will accept all factory lengths and +/- 10 percent of total order requested.

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