



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 143118
DESCRIPTION: 4/0 AWG MTW CABLE
CONSTRUCTION: This cable consists of one tinned copper conductor with integral insulation and jacket.
APPROVALS: UL Standard 1063, 1426 and 758, CSA 22.2 No. 210, SAE J1127
APPLICATION: Machine Tool Wire, Boat Cable, Appliance Wiring Material, and Equipment Wire

Construction Parameters:

Conductor	4/0 AWG Tinned Copper
Stranding	19x111/30
Insulation Material	PVC
Insulation Thickness	0.082" Nom.
Insulated Conductor Diameter	0.709" Nom.
Approximate Cable Weight	784.1 Lbs/1M' Nom.
Flame Rating	VW-1 or FT1 Vertical Flame Test

Electrical Properties:

Temperature Rating	-30°C to 105°C
Operating Voltage	600 V RMS Max.
DC Resistance per Conductor @ 20°C	0.05 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1*	287 Amps

Insulation/Jacket Color	Colors vary
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Legend (Silver Surface Ink Print)	4/0 AWG (107mm ²) E125352 (UL) BC-5W2 OR MTW OR THHW FOR CT USE OR AWM 1232/1284/1338 600V OR 10269 1000V OIL RES I SUN RES VW-1 -- 156016 CSA TEW 105°C 600V FT1 OR AWM I A/B 105°C 600V FT1 W75 O -- SAE J1127 TYPE SGT
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This product complies with European Directive 2002/95/EC (RoHS)

* 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. Coleman 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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Customer Name _____

Customer Approval _____

Specification Issue Date: May 1, 2009