



## PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 41109  
**DESCRIPTION:** 8 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

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### Construction Parameters:

Conductor	8 AWG Bare Copper
Stranding	19/.0295"
Insulation Material	PVC
Insulation Thickness	0.048" Nom.
Insulated Conductor Diameter	0.244" Nom.
Approximate Cable Weight	68.9 Lbs/1M' Nom.
Flame Rating	VW-1 or FT1 Vertical Flame Test

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### 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	0.63 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1*	59 Amps Max.

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Insulation/Jacket Color	Colors vary - Consult factory for availability.
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Legend (Surface Ink Print)	8 AWG (8.37mm <sup>2</sup> ) E125352 (UL) BC-5W2 OR MTW OR THHW OR AWM 1011/1028/1231/1344 600V OR 1032 1000V MOISTURE RESISTANT OIL RES I SUN RES VW-1 -- 156016 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1 W75 O
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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 5, 2009