



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 41101  
**DESCRIPTION:** 18 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	18 AWG Bare Copper
Stranding	16/30
Insulation Material	PVC
Insulation Thickness	0.031" Nom.
Insulated Conductor Diameter	0.108" Nom.
Approximate Cable Weight	9.4 Lbs/1M' Nom.
Flame Rating	VW-1 or FT1 Vertical Flame Test

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## Electrical Properties:

Temperature Rating	-20°C to 105°C Dry 60°C Oil 60°C Water
Operating Voltage	600 V RMS Max., 1000V AWM Style 1032
DC Resistance per Conductor @ 20°C	6.49 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1*	10 Amps Max.

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Insulation/Jacket Color	Colors vary - Consult factory for availability.
Legend (Surface Ink Print)	18 AWG (0.823mm2) E137733 (UL) MTW FLEXING OR AWM 1011/1015/1230/1335 600V OR 1032 1000V MOISTURE RESISTANT VW-1 -- 156016 CSA TEW 105C 600V FT1 OR AWM I A/B 105C 600V FT1

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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