



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 41105
DESCRIPTION: 10 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	10 AWG Bare Copper
Stranding	105/30
Insulation Material	PVC
Insulation Thickness	0.032" Nom.
Insulated Conductor Diameter	0.180" Nom.
Approximate Cable Weight	40.6 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., 1000V AWM Style 1032
DC Resistance per Conductor @ 20°C	1.01 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1*	44 Amps Max.

Insulation/Jacket Color	Colors vary - Consult factory for availability.
Legend (Surface Ink Print)	10 AWG (5.27mm ²) E125352 (UL) BC-5W2 OR MTW FLEXING OR THHW 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.

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