



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 52540
DESCRIPTION: 400 MCM MTW CABLE
CONSTRUCTION: This cable consists of one tinned copper conductor with PVC insulation..
APPROVALS: UL Standards 1063, 83 & 758; CSA C22.2 No. 210.
APPLICATION: Machine Tool Wire, Thermoplastic Insulated Wire, Appliance Wiring Material and Equipment Wire

Construction Parameters:

Conductor	400 MCM Tinned Copper
Stranding	4104/30
Insulation Material	PVC
Insulation Thickness	0.100" Nom.
Insulated Conductor Diameter	0.944" Nom.
Approximate Cable Weight	1402.3 Lbs/1M' Nom.
Flame Rating	VW-1 or FT1 Vertical Flame Test

Electrical Properties:

Temperature Rating	-20°C to 90°C (105C - AWM)
Operating Voltage	600V Max (MTW), 1000V Max (AWM 10269)
DC Resistance per Conductor @ 20°C	0.027 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1* for 75°C	412 Amps
Ampacity per NFPA 70 (NEC) Table 310-17 for THHW	615 Amps

Insulation Color Black (Other colors available - consult factory)

Legend (Surface Ink Jet Print) 400 MCM (203mm²) E137733 (UL) MTW OR THHW FOR CT USE OR AWM STYLES 1284 & 1339 600V OR 10269 1000V SUN RES VW-1-- 156016 CSA 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.

The customer will accept all factory lengths and +/- 10 percent of total order requested.

Material is not returnable and purchase order is non-cancelable after production has been started or special materials have been ordered.

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Customer Name _____ Date Signed _____

Customer Approval _____

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