



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 51549  
**DESCRIPTION:** 750 KCMIL MTW/AWM  
**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, Insulated Wire for CT Use

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## Construction Parameters:

Conductor	750 KCMIL Bare Copper
Stranding	37x203/30
Separator	Polyester Film
Insulation Material	PVC
Insulation Thickness	0.115" Nom.
Insulated Conductor Diameter	1.219" Nom.
Number of Conductors	1
Approximate Cable Weight	2495.0 Lbs/1M' Nom.
Flame Rating	UL 1581 Vertical Tray Flame Test

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## Electrical Properties:

Temperature Rating	-20°C to 105°C
Operating Voltage	600V Max (MTW), 1000V Max (AWM 10269)
DC Resistance per Conductor @ 20°C	0.01438 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1*	589 Amps Max.

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Insulation Color	Black
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Legend (Inkjet Print)	750 kcmil (380mm <sup>2</sup> ) E137733 (UL) MTW OR THHW FOR CT USE OR AWM 1284 & 1340 600V OR AWM 10269 1000V SUN RES VW-1 -- 156026 CSA AWM I A/B 105C 600V FT1
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This product complies with European Directive 2011/65/EU (RoHS-2)

\* 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.

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