



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive
Waukegan, IL 60085
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PART NUMBER: 51530
DESCRIPTION: 300 MCM MTW CABLE
CONSTRUCTION: This cable consists of one bare copper conductor with PVC insulation.
APPROVALS: UL Standard 1063, UL 83, & Subject 758, CSA C22.2 No. 210.
APPLICATION: MTW, THHW, & AWM

Construction Parameters:

Conductor 300 MCM Bare Copper
Stranding 7x37/0.0338 (259 Strands)
Separator Material None
Insulation Material PVC
Insulation Thickness 0.100" Nom.
Insulated Conductor Diameter 0.849" Nom.
Approximate Cable Weight 1060.0 Lbs/1M' Nom.
Flame Rating UL 1581 Vertical Tray 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 0.03610 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1* for 75°C 353 Amps
Ampacity per NFPA 70 (NEC) Table 310-17 for THHW 500 Amps

Insulation Color Black (Other colors available - consult factory)

Legend (Surface Ink Jet Print) 300 kcmil (152mm²) 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 2011/65/EC (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.

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 _____

Specification Issue Date: March 29, 2013