



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 51535  
**DESCRIPTION:** 350 MCM MTW CABLE  
**CONSTRUCTION:** This cable consists of one bare copper conductor with PVC insulation and polyester film separator.  
**APPROVALS:** UL Standard 1063, UL 83, & Subject 758, CSA C22.2 No. 210.  
**APPLICATION:** MTW, THHW, & AWM

## Construction Parameters:

Conductor	350 MCM Bare Copper
Stranding	19X182/30 (3458 Strands)
Separator Material	Polyester Film
Insulation Material	PVC
Insulation Thickness	0.100" Nom.
Insulated Conductor Diameter	0.935" Nom.
Approximate Cable Weight	1275.0 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	0.030 Ohms/1M' Nom.
Ampacity per NFPA 79 Table 12.5.1* for 75°C	383 Amps
Ampacity per NFPA 70 (NEC) Table 310-17 for THHW	570 Amps

Insulation Color Black (Other colors available - consult factory)

Legend (Surface Ink Jet Print) 350 kcmil (177mm<sup>2</sup>) 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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