



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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**PART NUMBER:** 51017  
**DESCRIPTION:** 8 AWG STRANDED TYPE THHN/THWN-2 INSULATED WIRE  
**CONSTRUCTION:** This cable consists of one bare copper conductor with integral insulation and jacket.  
**APPROVALS:** UL Standard 83  
**APPLICATION:** Insulated Wire Used in Building Wire Applications

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## Construction Parameters:

Conductor	8 AWG Bare Copper
Stranding	19 Strand
Insulation Material	PVC/Nylon
Insulation Thickness	0.034" Nom.
Nylon Insulation Thickness	0.006" Nom.
Insulated Conductor Diameter	0.222" Nom.
Approximate Cable Weight	64.9 Lbs/1M' Nom.

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## Electrical & Environmental Properties:

Temperature Rating	-20°C to 90°C DRY/90°C Wet
Operating Voltage	600 V RMS Max.
DC Resistance per Conductor @ 20°C	0.63 Ohms/1M' Nom.

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Insulation/Jacket Color	Varies (Consult factory for availability)
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Legend (Surface Ink Print)	CCI TRIANGLE 8 AWG (8.36mm <sup>2</sup> ) THHN/THWN-2 E101736 (UL) 600V 90C DRY/90C WET PRI/GRI OR AWM STYLE 1318 & 1410 VW-I -- C(UL) T90 NYLON OR TWN75 FT1
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This product complies with European Directive 2011/65/EU (RoHS-2)

On special orders, the customer will accept all factory lengths and +/- 10 percent of total order requested.

Wire is packaged on standard metal or wooden reels depending on the putup - consult factory.

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