



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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PART NUMBER: 51014
DESCRIPTION: 12 AWG STRANDED TYPE THHN/THWN-2 INSULATED WIRE
CONSTRUCTION: This cable consists of one bare copper conductor with integral insulation and jacket.
APPROVALS: UL Standards 62 & 758; CSA C22.2 No. 75
APPLICATION: Insulated Wire, Appliance Wiring Material, Canada T90-Nylon, Canada TWN75

Construction Parameters:

Conductor	12 AWG Bare Copper
Stranding	19/.0185"
Insulation Material	PVC/Nylon
Insulation Thickness	0.016" Nom.
Nylon Insulation Thickness	0.005" Nom.
Insulated Conductor Diameter	0.134" Nom.
Approximate Cable Weight	24.7 Lbs/1M' Nom.

Electrical & Environmental Properties:

Temperature Rating	-20°C to 105°C, THWN-2 90°C Dry/90°C Wet
Operating Voltage	600 V RMS Max., 1000V (AWM 1452)
DC Resistance per Conductor @ 20°C	1.58 Ohms/1M' Nom.

Insulation/Jacket Color	Varies (Consult factory for availability)
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Legend (Surface Ink Print)	CCI TRIANGLE 12 AWG (3.31mm ²) THHN/THWN-2 E101736 (UL) 600V 90C DRY/90C WET PRI/GRI OR AWM STYLE 1316 & 1408 600V & 1452 1000V VW-1 -- 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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