



REPRESENTATIVE IMAGE

Product: [39118](#)

Lead Wire, #18 Str TC, PPO Ins, AWM 11028

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Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PPO Insulation, AWM 11028 600V 105C VW-1

Technical Specifications

Product Overview

Suitable Applications:	Electrical panel builders, Electrical/electronic manufacturers, Appliance manufacturers, Furniture, Computer manufacturers, Automotive companies and their sub-suppliers
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Construction Details

Conductor

Size	Stranding	Material
18	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PPO - Polyphenylene Oxide	0.012 in (0.30 mm)	0.069 in (1.8 mm)

Overall Cable Diameter (Nominal): 0.069 in (1.8 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft (21 Ohm/km)	Single conductor in free air @ 30°C: 20 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C Dry

Bulk Cable Weight: 6 lbs/1000ft (8.9 kg/km)

Standards and Compliance

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	UL AWM Style 11028
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

Product Notes

Notes:	Halogen-free.
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History

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