



Product: [8866](#)

Lead Wire, #18 Str TC, Conductive PO/PO Ins, PVC Jkt, 40kV

Request Sample

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, Conductive PO/PO Insulation, PVC Outer Jacket, 40kV

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of electronic equipments, high voltage applications
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	16x30	TC - Tinned Copper	1

Conductor Count:	1
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Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.057 in

Table Notes:	.008 in. conductive polyethylene over stranding.
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Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.208 in	0.015 in

Electrical Characteristics

Voltage

Breakdown Voltage	Non-UL Description	Non-UL Voltage Rating
80,000 V (DC)		40,000 V DC
	AC (60 Hertz)	11,000 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
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Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Min. Bend Radius/Minor Axis:	3.12 in

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

EU CE Mark:	Yes
CA Prop 65:	Yes
MIL Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8866 002100	Red	Reel	100 ft	612825217091
8866 002500	Red	Reel	500 ft	612825217107
8866 002U500	Red	Reel	500 ft	612825217084

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.361 Revision Date: 08-27-2021
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