

Product: [8866](#)

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

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

Technical Specifications
Physical Characteristics (Overall)
Conductor

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

Conductor Count: 1

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.057 in

Insulation, Table Note: .008 in. conductive polyethylene over stranding.

Outer Jacket Material

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

Electrical Characteristics
Voltage

Breakdown Voltage	Description	Voltage Rating [V]
80,000 DC	DC	40,000 V
	AC (60 Hertz)	11,000 V

Temperature Range

Non-UL Temp Rating: 80°C

Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Min Bend Radius/Minor Axis:	4.5 in

Standards

UL AWM Style:	N/A
Military Specification:	N/A

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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII 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	Putup 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.

History

Update and Revision:	Revision Number: 0.276 Revision Date: 04-28-2020
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