Product: 8868

Lead Wire, #22 Str TC, Conductive PO/PO Ins, PVC Jkt, 25kV

Request Sample

Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, Conductive PO/PO Insulation, PVC Outer Jacket, 25kV

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of electronic equipments, high voltage applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	1

Conductor Count:	1

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.044 in

Insulation Table Notes:	.003 in. conductive polyethylene over stranding.

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.15 in	0.015 in
	0.15 in	

Electrical Characteristics

Voltage

Breakdown Voltage	Non-UL Description	Non-UL Voltage Rating
48,000 V (DC)		24,000 V DC
	AC (60 Hertz)	9000 V RMS

Temperature Range

Non-UL Temp Rating:	80°C

Mechanical Characteristics

Bulk Cable Weight:	10 lbs/1000ft
Minimum Minor Axis Bend Radius:	2.25 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
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
8868 002500	Red	Reel	500 ft	612825217138
8868 002U500	Red	Reel	500 ft	612825217121

Product Notes

Notes:	*This cable is recommended for applications in which the source is power limited so that if a cable failure occurs the source limits the energy transfer to a value of less than that required to raise the conductor temperature to 90°C.

History

Update and Revision:	Revision Number: 0.387 Revision Date: 02-03-2025