



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

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
Min. Bend Radius/Minor Axis:	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
MIL Order #39 (China RoHS):	Yes

Flammability, LSOH, 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
----------------------	--

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.