



Product: [8869](#) 

Lead Wire, #22 Str TC, Conductive PO/PO Ins, PVC Jkt, 17kV

 [Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) Tinned Copper, Conductive PO/PO Insulation, PVC Outer Jacket, 17kV

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	22	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PE - Polyethylene	0.027 in (0.69 mm)	0.090 in (2.3 mm)

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.12 in (3.0 mm)

Overall Cable Diameter (Nominal):	0.12 in (3.0 mm)
-----------------------------------	------------------

Electrical Characteristics

Voltage

Voltage Rating	Breakdown Voltage
17,000 V DC, 6000 V RMS (AC (60 Hertz))	35,000 V (DC)

Mechanical Characteristics

Bend Radius

Stationary Min.	Installation Min.
0.48 in (12 mm)	0.48 in (12 mm)

Max. Pull Tension:	9.1 lbs (4.1 kg)
--------------------	------------------

Bulk Cable Weight:	8 lbs/1000ft
--------------------	--------------

Standards and Compliance

Sustainability:	CA Prop 65
European Directive Compliance:	EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.462 Revision Date: 09-07-2025
----------------------	--------------------------------------------------

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8869 010100	Black	Reel	100 ft	612825217145
8869 010500	Black	Reel	500 ft	612825217152

© 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.