



**Product:** [9906](#)

Lead Wire, #6 Str TC, PVC Ins, AWM 1283 AWM 1232 AWM 1015

[Request Sample](#)

### Product Description

Low Temp Plastic Lead Wire, 6AWG (133x27) Tinned Copper, PVC Insulation, AWM 1283 AWM 1232 AWM 1015 CSA TYPE TEW 600V 105C

### Technical Specifications

#### Product Overview

Suitable Applications:	inter-connection circuits, internal wiring of computer and electronic equipments, internal wiring of appliances, machine tool wire
------------------------	--

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
6	133x27	TC - Tinned Copper	1

Conductor Count:	1
------------------	---

##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.331 in	0.063 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
0.41 Ohm/1000ft

##### Current

Element	Max. Recommended Current [A]
Single Conductor in Free Air @ 30C Ambient	Single conductor in free air @ 30°C: 121 A

##### Voltage

UL Voltage Rating
600 V RMS

#### Temperature Range

Non-UL Temp Rating:	105°C
UL Temp Rating:	105°C

#### Mechanical Characteristics

Bulk Cable Weight:	117 lbs/1000ft
Min. Bend Radius/Minor Axis:	1.33 in

#### Standards

NEC Articles:	Article 310
NEC/(UL) Compliance:	MTW or THW
UL Rating:	600V, 105°C

UL AWM Style Compliance:	UL AWM Styles 1015, 1232, 1283
CSA Rating:	600V, 105°C
CSA AWM Compliance:	CSA AWM I A/B
CSA Type:	TEW or AWM I A/B

## 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 Flammability:	VW-1
UL voltage rating:	600 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
9906 010100	Black	Reel	100 ft	612825260486
9906 0101000	Black	Reel	1,000 ft	612825260493
9906 013100	Blue, Dark	Reel	100 ft	612825260509
9906 001100	Brown	Reel	100 ft	612825260363
9906 0011000	Brown	Reel	1,000 ft	612825260370
9906 0081000	Gray	Reel	1,000 ft	612825260455
9906 005100	Green, Dark	Reel	100 ft	612825260431
9906 0051000	Green, Dark	Reel	1,000 ft	612825260448
9906 002100	Red	Reel	100 ft	612825260387
9906 0021000	Red	Reel	1,000 ft	612825260394
9906 009100	White	Reel	100 ft	612825260462
9906 0091000	White	Reel	1,000 ft	612825260479
9906 004100	Yellow	Reel	100 ft	612825260400

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

## History

Update and Revision:	Revision Number: 0.376 Revision Date: 12-15-2021
----------------------	--

© 2022 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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Hook-up Wire](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[8918-BRN-1000](#) [8920-DK-BLU-1000](#) [CR6328-000](#) [01776.38.01](#) [M22759/16-14-5-500FT](#) [7053-RED-1000](#) [7053-SLATE-1000](#) [F25935-000](#)  
[F60898-000](#) [8055](#) [81044/12-18-9CS3209](#) [82A0811-4-9-G110](#) [83004-ORG-1000](#) [83005-LT-BLU-1000](#) [83025-VIO-1000](#) [8523-RED-100](#)  
[8524-WHT-100](#) [8525-ORG-1000](#) [8530-BLK-1000](#) [8530-LT-BLU-100](#) [8538-009-1000](#) [8597-LT-BLU-100](#) [8898-BLK-100](#) [138498-000](#)  
[E76065-000](#) [EPD50886A-20-9](#) [BFWUL3239-24-PINK](#) [C2015A.12.04](#) [C2015A.12.05](#) [C2015A.12.08](#) [C2015A.12.10](#) [C2015A.12.19](#)  
[C2016A.12.05](#) [C2016A.12.07](#) [C2065A.12.02](#) [C77653-000](#) [220368-001](#) [8916-GRY-500](#) [8918-RED-100](#) [8919-YEL-100](#) [8920-YEL-100](#)  
[9242833001](#) [933205-000](#) [2841/7-YELLOW-1000](#) [2842/7-ORANGE-100](#) [2842/7-RED-1000](#) [2843/19-BLUE-100](#) [2843/1-YELLOW-100](#)  
[2844/7-BLACK-1000](#) [2845/7-RED-100](#)