



Product: [9912](#)

Lead Wire, #12 Str TC, PVC Ins, AWM 1015 AWM 1230

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 12AWG (65x30) Tinned Copper, PVC Insulation, AWM 1015 AWM 1230 CSA TYPE TEW JQA-F 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
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	12 AWG	65x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	0.036 in (0.91 mm)	0.158 in (4.01 mm)

Overall Cable Diameter (Nominal):	0.158 in (4.01 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.65 Ohm/1000ft	Single conductor in free air @ 30°C: 51 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-25°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
1.58 in (40.1 mm)	1.58 in (40.1 mm)

Max. Pull Tension:	84.5 lbs (38.3 kg)
Bulk Cable Weight:	28 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
NEC / UL Compliance:	Article 310, MTW or TW

AWM Compliance:	AWM 1015, AWM 1230, AWM I A/B
CEC / C(UL) Compliance:	TEW
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.499 Revision Date: 02-03-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9912 010100	Black	Reel	100 ft	612825261520	
9912 010250	Black	Reel	250 ft	612825261544	
9912 0102000	Black	Reel	2,000 ft	612825261537	C
9912 013100	Blue, Dark	Reel	100 ft	612825261575	
9912 013250	Blue, Dark	Reel	250 ft	612825261582	
9912 001100	Brown	Reel	100 ft	612825261278	
9912 008250	Gray	Reel	250 ft	612825261421	
9912 005100	Green, Dark	Reel	100 ft	612825261377	
9912 005250	Green, Dark	Reel	250 ft	612825261391	
9912 0052000	Green, Dark	Reel	2,000 ft	612825261384	C
9912 003250	Orange	Reel	250 ft	612825261322	
9912 002100	Red	Reel	100 ft	612825261292	
9912 002250	Red	Reel	250 ft	612825261315	
9912 0022000	Red	Reel	2,000 ft	612825261308	C
9912 009100	White	Reel	100 ft	612825261452	
9912 009250	White	Reel	250 ft	612825261476	
9912 0092000	White	Reel	2,000 ft	612825261469	C
9912 004100	Yellow	Reel	100 ft	612825261339	
9912 004250	Yellow	Reel	250 ft	612825261346	

© 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.