



Product: [39118](#) 

Lead Wire, #18 Str TC, PPO Ins, AWM 11028

 [Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PPO Insulation, AWM 11028 600V 105C VW-1

Technical Specifications

Product Overview

Suitable Applications:	Electrical panel builders, Electrical/electronic manufacturers, Appliance manufacturers, Furniture, Computer manufacturers, Automotive companies and their sub-suppliers
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	18 AWG	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PPO - Polyphenylene Oxide	0.012 in (0.30 mm)	0.069 in (1.8 mm)

Overall Cable Diameter (Nominal): 0.069 in (1.8 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30°C: 20 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C Dry

Bend Radius

Stationary Min.	Installation Min.
0.69 in (18 mm)	0.69 in (18 mm)

Max. Pull Tension: 16 lbs (7.3 kg)

Bulk Cable Weight: 6 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 11028

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)
--------------------------------	---

Product Notes

Notes:	Halogen-free.
--------	---------------

History

Update and Revision:	Revision Number: 0.493 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
39118 010100	Black	Reel	100 ft	612825149446	C
39118 0101000	Black	Reel	1,000 ft	612825149453	C
39118 0105000	Black	Reel	5,000 ft	612825149460	C Z
39118 013100	Blue, Dark	Reel	100 ft	612825149477	C
39118 0131000	Blue, Dark	Reel	1,000 ft	612825149484	C
39118 0135000	Blue, Dark	Reel	5,000 ft	612825149491	C Z
39118 001100	Brown	Reel	100 ft	612825149200	C
39118 0011000	Brown	Reel	1,000 ft	612825149217	C
39118 0015000	Brown	Reel	5,000 ft	612825149224	C Z
39118 008100	Gray	Reel	100 ft	612825149385	C
39118 0081000	Gray	Reel	1,000 ft	612825149392	C
39118 0085000	Gray	Reel	5,000 ft	612825149408	C Z
39118 005100	Green, Dark	Reel	100 ft	612825149323	C
39118 0051000	Green, Dark	Reel	1,000 ft	612825149330	C
39118 0055000	Green, Dark	Reel	5,000 ft	612825149347	C Z
39118 189100	Green, Yellow Stripe	Reel	100 ft	612825149507	
39118 1891000	Green, Yellow Stripe	Reel	1,000 ft	612825149514	
39118 1895000	Green, Yellow Stripe	Reel	5,000 ft	612825149521	C Z
39118 003100	Orange	Reel	100 ft	612825149262	C
39118 0031000	Orange	Reel	1,000 ft	612825149279	C
39118 0035000	Orange	Reel	5,000 ft	612825149286	C Z
39118 002100	Red	Reel	100 ft	612825149231	C
39118 0021000	Red	Reel	1,000 ft	612825149248	C
39118 0025000	Red	Reel	5,000 ft	612825149255	C Z
39118 007100	Violet	Reel	100 ft	612825149354	C
39118 0071000	Violet	Reel	1,000 ft	612825149361	C
39118 0075000	Violet	Reel	5,000 ft	612825149378	C Z
39118 009100	White	Reel	100 ft	612825149415	C
39118 0091000	White	Reel	1,000 ft	612825149422	C
39118 0095000	White	Reel	5,000 ft	612825149439	C Z
39118 004100	Yellow	Reel	100 ft	612825149293	C
39118 0041000	Yellow	Reel	1,000 ft	612825149309	C
39118 0045000	Yellow	Reel	5,000 ft	612825149316	C Z

Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
-----------	--

© 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.