



Product: [39118](#)

Lead Wire, #18 Str TC, PPO Ins, AWM 11028 600V 105C VW-1

[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
------------------------	--

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	16x30	TC - Tinned Copper	1

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

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PPO - Polyphenylene Oxide	0.069 in	0.012 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	20.0 A

Voltage

UL Voltage Rating
600 V

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C Dry

Mechanical Characteristics

Bulk Cable Weight:	6 lbs/1000ft
--------------------	--------------

Standards

UL AWM Style:	AWM 11028
Military Specification:	N/A

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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2011-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

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

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

Product Notes

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

History

Update and Revision:

Revision Number: 0.289 Revision Date: 04-28-2020

© 2020 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.