



**Part Number:** 39120

Lead Wire, #20 Str TC, PPO Ins, AWM 11028 600V 105C VW-1

 [Request Sample](#)

## Product Description

Low Temp Plastic Lead Wire, 20AWG (8x30/2x29) 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
20	10x30	TC - Tinned Copper	1

Conductor Count:	1
Conductor Size:	20 AWG

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PPO - Polyphenylene Oxide	0.0605 in	0.012 in

#### Outer Jacket Material

Material
No Jacket

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
9 Ohm/1000ft

#### Current

Element	Max. Recommended Current [A]
Single conductor in free air @ 30C ambient	14.0 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:	4.2 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
CA Prop 65 (CJ for Wire & Cable):	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	UPC	Length	Footnote
39120 010100	Black	612825149774	100 ft	C
39120 0101000	Black	612825149781	1,000 ft	C
39120 0105000	Black	612825149798	5,000 ft	C Z
39120 013100	Blue, Dark	612825149804	100 ft	C
39120 0131000	Blue, Dark	612825149811	1,000 ft	C
39120 0135000	Blue, Dark	612825149828	5,000 ft	C Z
39120 001100	Brown	612825149538	100 ft	C
39120 0011000	Brown	612825149545	1,000 ft	C
39120 0015000	Brown	612825149552	5,000 ft	C Z
39120 008100	Gray	612825149712	100 ft	C
39120 0085000	Gray	612825149736	5,000 ft	C Z
39120 005100	Green, Dark	612825149651	100 ft	C
39120 0051000	Green, Dark	612825149668	1,000 ft	C
39120 0055000	Green, Dark	612825149675	5,000 ft	C Z
39120 003100	Orange	612825149590	100 ft	C
39120 0031000	Orange	612825149606	1,000 ft	C
39120 0035000	Orange	612825149613	5,000 ft	C Z
39120 002100	Red	612825149569	100 ft	C
39120 0021000	Red	612825149576	1,000 ft	C
39120 0025000	Red	612825149583	5,000 ft	C Z
39120 007100	Violet	612825149682	100 ft	C
39120 0071000	Violet	612825149699	1,000 ft	C
39120 0075000	Violet	612825149705	5,000 ft	C Z
39120 009100	White	612825149743	100 ft	C
39120 0091000	White	612825149750	1,000 ft	C
39120 0095000	White	612825149767	5,000 ft	C Z
39120 004100	Yellow	612825149620	100 ft	C
39120 0041000	Yellow	612825149637	1,000 ft	C
39120 0045000	Yellow	612825149644	5,000 ft	C Z

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.
--------	---------------

© 2019 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.