

Product: 39120

Lead Wire, #20 Str TC, PPO Ins, AWM 11028

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

Insulation

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

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
9.85 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single Conductor in Free Aair @ 30C Ambient	Single conductor in free air @ 30ºC: 14 A

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	4.2 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.24 in

Standards

UL AWM Style Compliance:	AWM 11028

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

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
39120 010100	Black	Reel	100 ft	612825149774
39120 0101000	Black	Reel	1,000 ft	612825149781
39120 0105000	Black	Reel	5,000 ft	612825149798
39120 013100	Blue, Dark	Reel	100 ft	612825149804
39120 0131000	Blue, Dark	Reel	1,000 ft	612825149811
39120 0135000	Blue, Dark	Reel	5,000 ft	612825149828
39120 001100	Brown	Reel	100 ft	612825149538
39120 0011000	Brown	Reel	1,000 ft	612825149545
39120 0015000	Brown	Reel	5,000 ft	612825149552
39120 008100	Gray	Reel	100 ft	612825149712
39120 0085000	Gray	Reel	5,000 ft	612825149736
39120 005100	Green, Dark	Reel	100 ft	612825149651
39120 0051000	Green, Dark	Reel	1,000 ft	612825149668
39120 0055000	Green, Dark	Reel	5,000 ft	612825149675
39120 003100	Orange	Reel	100 ft	612825149590
39120 0031000	Orange	Reel	1,000 ft	612825149606
39120 0035000	Orange	Reel	5,000 ft	612825149613
39120 002100	Red	Reel	100 ft	612825149569
39120 0021000	Red	Reel	1,000 ft	612825149576
39120 0025000	Red	Reel	5,000 ft	612825149583
39120 007100	Violet	Reel	100 ft	612825149682
39120 0071000	Violet	Reel	1,000 ft	612825149699
39120 0075000	Violet	Reel	5,000 ft	612825149705
39120 009100	White	Reel	100 ft	612825149743
39120 0091000	White	Reel	1,000 ft	612825149750
39120 0095000	White	Reel	5,000 ft	612825149767
39120 004100	Yellow	Reel	100 ft	612825149620
39120 0041000	Yellow	Reel	1,000 ft	612825149637
39120 0045000	Yellow	Reel	5,000 ft	612825149644

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.

Product Notes

Notes:	Halogen-free.

History

Update and Revision:	Revision Number: 0.388 Revision Date: 05-05-2023

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