



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
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
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Insulation

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

Outer Jacket Material

Material
No Jacket

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
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Standards

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

Variants

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

Update and Revision:	Revision Number: 0.282 Revision Date: 12-19-2019
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