

Product: 39112

Lead Wire, #12 Str TC, PPO Ins, AWM 11028

Request Sample

Product Description

Low Temp Plastic Lead Wire, 12AWG (65x30) 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
12	65x30	TC - Tinned Copper	1

Conductor Count:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PPO - Polyphenylene Oxide	0.111 in	0.012 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.65 Ohm/1000ft

Current

Element	Max. Recommended Current [A]
Single Conductor in Free Aair @ 30C Ambient	Single conductor in free air @ 30ºC: 51 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:	21.3 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.45 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
39112 010100	Black	Reel	100 ft	612825148456
39112 0101000	Black	Reel	1,000 ft	612825148463
39112 0105000	Black	Reel	5,000 ft	612825148470
39112 013100	Blue, Dark	Reel	100 ft	612825148487
39112 0131000	Blue, Dark	Reel	1,000 ft	612825148494
39112 0135000	Blue, Dark	Reel	5,000 ft	612825148500
39112 0011000	Brown	Reel	1,000 ft	612825148227
39112 0015000	Brown	Reel	5,000 ft	612825148234
39112 008100	Gray	Reel	100 ft	612825148395
39112 0085000	Gray	Reel	5,000 ft	612825148418
39112 005100	Green, Dark	Reel	100 ft	612825148333
39112 0051000	Green, Dark	Reel	1,000 ft	612825148340
39112 0055000	Green, Dark	Reel	5,000 ft	612825148357
39112 189100	Green, Yellow Stripe	Reel	100 ft	612825148517
39112 1891000	Green, Yellow Stripe	Reel	1,000 ft	612825148524
39112 1895000	Green, Yellow Stripe	Reel	5,000 ft	612825148531
39112 003100	Orange	Reel	100 ft	612825148272
39112 0031000	Orange	Reel	1,000 ft	612825148289
39112 0035000	Orange	Reel	5,000 ft	612825148296
39112 002100	Red	Reel	100 ft	612825148241
39112 0021000	Red	Reel	1,000 ft	612825148258
39112 0025000	Red	Reel	5,000 ft	612825148265
39112 0075000	Violet	Reel	5,000 ft	612825148388
39112 009100	White	Reel	100 ft	612825148425
39112 0091000	White	Reel	1,000 ft	612825148432
39112 0095000	White	Reel	5,000 ft	612825148449
39112 0045000	Yellow	Reel	5,000 ft	612825148326

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: 0.387 Revision Date: 05-05-2023

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