BELDEN

Product: 39118

Lead Wire, #18 Str TC, PPO Ins, AWM 11028

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	18 AWG	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PPO - Polyphenylene Oxide	0.012 in (0.30 mm)	0.069 in (1.8 mm)

Overall Cable Diameter (Nominal):	0.069 in (1.8 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30ºC: 20 A

Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C Dry

Bend Radius

Stationary Min.	Installation Min.
0.69 in (18 mm)	0.69 in (18 mm)

Max. Pull Tension:	16 lbs (7.3 kg)
Bulk Cable Weight:	6 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 11028

European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

Product Notes

Notes:	Halogen-free.

History

Update and Revision:	Revision Number: 0.490 Revision Date: 01-20-2023

Part Numbers

Variants

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

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