



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
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Construction Details

Conductor

Element	Number of Element	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)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
6.5 Ohm/1000ft	Single conductor in free air @ 30°C: 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

Product Notes

Notes:	Halogen-free.
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History

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

Variants

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

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