

Lead Wire, #18 Str SPC, TFE Ins, AWM 1371	Product: <u>83009</u>	J		
🛱 Request Sample	Lead Wire, #18 S	tr SPC, T	FE Ins,	AWM 137
	# Reques	Sample		

Product Description

High Temp Plastic Lead Wire, 18AWG (19x30) Silver Plated Copper, TFE Insulation, AWM 1371 105C TYPE E MIL-W-16878/4 600V 200C

Technical Specifications

Product Overview

Suitable Applic	ations:	high tempe	erature, inter	-connection circuits, inte	rnal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 applicati
Constructio	on Details				
Conductor					
Element	Number of Eleme	nt Size	Stranding	Material	
Conductor(s)	1	18 AWG	19x30	SC - Silvered Copper	
nsulation Mate	erial I	Nom. Thickn	ess Nom.	Insulation Diameter	
Mate	erial I rafluoroethylene 0				

Electricals

Nom. Conductor DCR	Max. Current
5.75 Ohm/1000ft	Mil-Std-975M Table 3.16 (single wire): 9.2 A
Voltage	

UL Voltage Rating 600 V RMS

Mechanical Characteristics

emperature		
UL Temperature	Operating	1
200°C	-70°C To +200°C	
end Radius		
Stationary Min.	Installation Min.	
0.68 in (17 mm)	0.68 in (17 mm)	
Max. Pull Tension:	:	21
Bulk Cable Weight	t:	8
Bulk Cable Weight	t:	8

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	VW-1
AWM Compliance:	AWM 1855

NEMA Compliance:	HP3
Military Compliance:	MIL-W-16878/4
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:

Revision Number: 0.480 Revision Date: 01-20-2023

Part Numbers

Variants

Base Reel 100 ft 612825354116 83009 0101000 Black Reel 1,000 ft 612825354116 83009 0101000 Blue, Light Reel 1,000 ft 612825378402 83009 006500 Blue, Light Reel 100 ft 612825378402 83009 006100 Blue, Light Reel 100 ft 612825399421 83009 001100 Brown Reel 100 ft 612825399421 83009 001100 Brown Reel 100 ft 612825399407 83009 001100 Brown Reel 100 ft 612825399407 83009 001100 Brown Reel 100 ft 612825399407 83009 008100 Gray Reel 100 ft 612825399407 83009 005100 Green, Dark Reel 100 ft 612825399414 83009 005100 Green, Dark Reel 100 ft 612825399414 83009 005100 Green, Dark Reel 100 ft 612825399414 83009 003100 Orange Reel 100 ft	Item #	Color	Putup Type	Length	UPC
Base Reel 1,000 ft 612825378402 83009 0101000 Blue, Light Reel 100 ft 612825378402 83009 006100 Blue, Light Reel 100 ft 612825354055 83009 006100 Blue, Light Reel 1,000 ft 61282539421 83009 001100 Brown Reel 1,000 ft 61282539421 83009 001100 Brown Reel 100 ft 61282539407 83009 001100 Brown Reel 1,000 ft 61282539407 83009 001100 Brown Reel 1,000 ft 61282539407 83009 008100 Gray Reel 100 ft 61282539407 83009 00500 Gray Reel 100 ft 61282539407 83009 005100 Green, Dark Reel 100 ft 61282539414 83009 005100 Green, Dark Reel 100 ft 61282539414 83009 003100 Orange Reel 100 ft 612825378396 83009 003100 Orange Reel 100 ft	83009 010500	Black			
Basoop 006500Blue, LightReel100 ft61282535405583009 006100Blue, LightReel1,000 ft6128253942183009 001000BrownReel1,000 ft6128253942183009 001100BrownReel100 ft6128253940783009 001100BrownReel100 ft6128253940783009 001100BrownReel1,000 ft61282539940783009 001100BrownReel1,000 ft61282539940783009 008100GrayReel100 ft61282539940783009 008100GrayReel100 ft61282539940783009 005100Green, DarkReel100 ft61282539941483009 005100Green, DarkReel100 ft61282539941483009 005100Green, DarkReel100 ft61282539941483009 005100Green, DarkReel100 ft61282539941483009 005100Green, DarkReel100 ft61282535427783009 005100OrangeReel100 ft61282537839683009 002100RedReel100 ft61282537839683009 002100RedReel100 ft61282537839683009 007100VioletReel100 ft61282535429183009 007100VioletReel100 ft61282535429183009 009100WhiteReel100 ft61282535428483009 009100WhiteReel100 ft61282535428483009 009100White <t< td=""><td>83009 010100</td><td>Black</td><td>Reel</td><td>100 ft</td><td>612825354116</td></t<>	83009 010100	Black	Reel	100 ft	612825354116
Basoop 006100Blue, LightReel100 ft61282535405583009 006100Blue, LightReel1,000 ft6128253942183009 001000BrownReel100 ft61282539942183009 001100BrownReel100 ft61282539940783009 001100BrownReel1,000 ft61282539940783009 008100GrayReel100 ft61282539940783009 008500GrayReel100 ft61282539940783009 008500GrayReel100 ft61282539940783009 00500Green, DarkReel100 ft61282539941483009 00500Green, DarkReel100 ft61282539941483009 005100Green, DarkReel100 ft61282539941483009 005100Green, DarkReel100 ft61282535427783009 003100OrangeReel100 ft61282537839683009 002100RedReel100 ft61282537839683009 002100RedReel100 ft61282537839683009 002100KedReel100 ft61282537839683009 007100VioletReel100 ft61282535429183009 007100VioletReel100 ft61282535428483009 009100WhiteReel100 ft61282535428483009 009100WhiteReel100 ft61282535428483009 009100WhiteReel100 ft61282535428483009 009100WhiteReel<	83009 0101000	Black	Reel	1,000 ft	612825378402
Bit is a state of the	83009 006500	Blue, Light			
Bit Note	83009 006100	Blue, Light	Reel	100 ft	612825354055
Brown Reel 100 ft 83009 001100 Brown Reel 1,000 ft 612825399407 83009 0011000 Gray Image: State Sta	83009 0061000	Blue, Light	Reel	1,000 ft	612825399421
Base 1,000 ft 612825399407 83009 0011000 Gray Image: Constraint of the constraint o	83009 001500	Brown			
Basoog 0081000 Gray Image: Constraint of the second of th	83009 001100	Brown	Reel	100 ft	
Bit Norm	83009 0011000	Brown	Reel	1,000 ft	612825399407
Base Procession Procession <td>83009 0081000</td> <td>Gray</td> <td></td> <td></td> <td></td>	83009 0081000	Gray			
Note Note <th< td=""><td>83009 008500</td><td>Gray</td><td></td><td></td><td></td></th<>	83009 008500	Gray			
Bit Note Green, Dark Reel 100 ft Bit Note Green, Dark Reel 1,000 ft 612825399414 Bit Note Orange reel 1,000 ft 612825399414 Bit Note Orange reel 1,000 ft 612825399414 Bit Note Orange Reel 100 ft 612825399414 Bit Note Orange Reel 100 ft 612825399414 Bit Note Reel 100 ft 61282539414 Bit Note Reel 100 ft 612825378396 Bit Note Reel 100 ft 612825378396 Bit Note Reel 1,000 ft 612825378396 Bit Note Reel 1,000 ft 612825378396 Bit Note Reel 1,000 ft 612825378396 Bit Note Reel 100 ft 612825378396 Bit Note Reel 100 ft 612825354291 Bit Note Reel 100 ft 612825354284 Bit Note Reel 1,000 ft <td< td=""><td>83009 008100</td><td>Gray</td><td>Reel</td><td>100 ft</td><td></td></td<>	83009 008100	Gray	Reel	100 ft	
83009 0051000 Green, Dark Reel 1,000 ft 612825399414 83009 003500 Orange Image	83009 005500	Green, Dark			
B3009 003500 Orange Reel 100 ft B3009 003100 Orange Reel 100 ft B3009 003100 Orange Reel 100 ft B3009 0031000 Orange Reel 100 ft B3009 002100 Red Reel 1,000 ft B3009 002100 Red Reel 1,000 ft B3009 0021000 Violet Image Image B3009 007100 Violet Reel 100 ft B3009 007100 Violet Reel 100 ft B3009 009100 White Reel 100 ft B3009 009100 White Reel 1,000 ft B3009	83009 005100	Green, Dark	Reel	100 ft	
No. No. <td>83009 0051000</td> <td>Green, Dark</td> <td>Reel</td> <td>1,000 ft</td> <td>612825399414</td>	83009 0051000	Green, Dark	Reel	1,000 ft	612825399414
No. No. <td>83009 003500</td> <td>Orange</td> <td></td> <td></td> <td></td>	83009 003500	Orange			
Bit Note Reel 100 ft 612825354277 83009 002100 Red Reel 100 ft 612825354277 83009 002500 Red Reel 500 ft 612825378396 83009 0021000 Red Reel 1,000 ft 612825378396 83009 0071000 Violet C 612825378396 83009 007500 Violet Reel 100 ft 83009 007500 Violet Reel 100 ft 83009 007100 Violet Reel 100 ft 83009 009100 White Reel 100 ft 83009 009500 White Reel 100 ft 83009 0091000 White Reel 1,000 ft 83009 004500 Yellow Image: Comparison of the compa	83009 003100	Orange	Reel	100 ft	
Red Reel 500 ft 83009 002500 Red Reel 500 ft 83009 0021000 Red Reel 1,000 ft 612825378396 83009 0071000 Violet reel reel 612825378396 83009 0071000 Violet reel reel reel reel 83009 007100 Violet Reel 100 ft 612825354291 83009 009100 White Reel 500 ft reel 83009 009500 White Reel 500 ft reel 83009 009500 White Reel 500 ft 612825354284 83009 009500 White Reel 1,000 ft 612825354284 83009 004500 Yellow Reel 100 ft 612825354284	83009 0031000	Orange	Reel	1,000 ft	
Red Reel 1,000 ft 612825378396 83009 0021000 Violet 612825378396 83009 0071000 Violet 83009 0071000 Violet 83009 007100 Violet Reel 100 ft 612825354291	83009 002100	Red	Reel	100 ft	612825354277
83009 0071000 Violet Image: Marcine State Image: MarcineState Image: Marcine State	83009 002500	Red	Reel	500 ft	
83009 007500 Violet Reel 100 ft 83009 007100 Violet Reel 100 ft 83009 009100 White Reel 500 ft 83009 009500 White Reel 500 ft 83009 009500 White Reel 1,000 ft 83009 009500 White Reel 1,000 ft 83009 004500 Yellow Image: Constraint of the state of	83009 0021000	Red	Reel	1,000 ft	612825378396
Reel 100 ft 83009 007100 Violet Reel 100 ft 83009 009100 White Reel 100 ft 612825354291 83009 009500 White Reel 500 ft 612825354284 83009 0091000 White Reel 1,000 ft 612825354284 83009 004500 Yellow Reel 100 ft 612825354284 83009 004100 Yellow Reel 100 ft 612825354062	83009 0071000	Violet			
B3009 009100 White Reel 100 ft 612825354291 83009 009500 White Reel 500 ft 1000 ft 612825354284 83009 0091000 White Reel 1,000 ft 612825354284 612825354284 83009 004500 Yellow Reel 100 ft 612825354084 83009 004100 Yellow Reel 100 ft 612825354084	83009 007500	Violet			
B3009 009500 White Reel 500 ft 83009 0091000 White Reel 1,000 ft 612825354284 83009 004500 Yellow Reel 100 ft 612825354062 83009 004100 Yellow Reel 100 ft 612825354062	83009 007100	Violet	Reel	100 ft	
83009 0091000 White Reel 1,000 ft 612825354284 83009 004500 Yellow	83009 009100	White	Reel	100 ft	612825354291
83009 004500 Yellow Reel 100 ft 612825354062	83009 009500	White	Reel	500 ft	
83009 004100 Yellow Reel 100 ft 612825354062	83009 0091000	White	Reel	1,000 ft	612825354284
	83009 004500	Yellow			
83009 0041000 Yellow Reel 1,000 ft	83009 004100	Yellow	Reel	100 ft	612825354062
	83009 0041000	Yellow	Reel	1,000 ft	

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulators based on their individual usage of the product.