



Product: [37506](#)

Lead Wire, #6 Str TC, EPDM Ins, AWM 3499

Request Sample

Product Description

Rubber Lead Wire, 6AWG (84x25) Tinned Copper, EPDM Insulation, AWM 3499 7500V 150C

Technical Specifications

Product Overview

Suitable Applications:	internal wiring of appliances, high voltage and high temperature applications
------------------------	---

Construction Details

Conductor				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	6 AWG	84x25	TC - Tinned Copper

Insulation		
Material	Nom. Thickness	Nom. Insulation Diameter
EPDM - Ethylene Propylene Diene Monomer	0.131 in (3.33 mm)	0.47 in (12 mm)
Overall Cable Diameter (Nominal): 0.47 in (12 mm)		

Electrical Characteristics

Electricals	
Nom. Conductor DCR	Max. Current
0.431 Ohm/1000ft	153.6 Amps per Conductor at 30°C

Voltage	
UL Voltage Rating	7500 V (AWM 3499)

Mechanical Characteristics

Temperature	
UL Temperature	Operating
150°C	-55°C To +150°C

Bend Radius	
Stationary Min.	Installation Min.
4.7 in (120 mm)	4.7 in (120 mm)

Max. Pull Tension:	304 lbs (138 kg)
Recommended Max Baking Cycles:	24 Hours @ 300°F (149°C) ~ 4 Hours @ 375°F (190°C)
Bulk Cable Weight:	165 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	Horizontal flame

AWM Compliance:	AWM 3499
European Directive Compliance:	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)

Product Notes

Notes:	Separator Material over Conductor: Y,
--------	---------------------------------------

History

Update and Revision:	Revision Number: 0.486 Revision Date: 01-20-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
37506 01050	Black	Reel	50 ft	612825147336	C
37506 010500	Black	Reel	500 ft	612825147343	C F
37506 0101000	Black	Reel	1,000 ft	612825147329	C F

© 2024 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 regulations based on their individual usage of the product.