

Customer Specification

PART NO. 541419

Construction

	Diameters (In)	
1) Component 1	1 X 1 HOOKUP	
a) Conductor	14 (19/.0147) AWG Bare Copper	0.074
b) Insulation	0.016" Wall, Nom. PVC/ 0.005" Wall NYLON	0.116
(1) Print	ALPHA WIRE-* P/N 541419 14 AWG E14884 (UL) TYPE THHN OR THWN 600V * = Factory Code	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET	

Applicable Specifications

1) UL	THHN	90°C / 600 V _{RMS}
	THWN	75°C Dry / 75°C Wet / 600 V _{RMS}

Environmental

1) EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.
2) REACH Regulation (EC 1907/2006):	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.
3) California Proposition 65:	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.

Properties

Physical & Mechanical Properties		
-40 to 90°C		
10X Cable Diameter		
32 Lbs, Maximum		
(For Engineering purposes only)		
600 V _{RMS}		
0.04 μH/ft, Nominal		
2.6 Ω/1000ft @20°C, Nominal		
	10X Cable Diameter 32 Lbs, Maximum (For Engineering purposes only) 600 V _{RMS} 0.04 µH/ft, Nominal	

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 2500 FT	15.75 x 5 x 10 Continuous length
b) 1000 FT	10.5 x 5 x 3.5 Continuous length
c) 500 FT	6.5 x 4 x 2.5 Continuous length
d) 100 FT	6.5 x 2 x 1.9 Continuous length
e) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]
Notes:	
a) Certain colors and put-up combinations may only be available by special order, minimums may apply.	

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 541419

541419, RoHS-Compliant Commencing With 1/1/0001 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE),	
Including Deca-BDE	0.1% by weight (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided 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 will become part of. The intent of this document 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.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering

11/20/2024

Alpha Wire

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Alpha Wire:

<u>541419 BK002</u> <u>541419 RD001</u> <u>541419 WH002</u> <u>541419 GR005</u> <u>541419 GR002</u> <u>541419 BK001</u> <u>541419 BK005</u> <u>541419 RD002</u> <u>541419 GR001</u> <u>541419 WH005</u>