

## Customer Specification

**PART NO. 9438**

## Construction

						Diameters ("in")	
1) Component 1						1 x 1 COAX	
a) Conductor						38 (7/46) AWG Tinned Copper Alloy	0.0047
b) Insulation						0.0035" Wall, Nom. PFA	0.0118
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	BLACK TINT						
2) Shield						Tinned Copper SPIRAL Shield, 90% Coverage, min.	
3) Jacket						0.0016" Wall, Nom., PFA	0.0175
a) Color(s)						WHITE	

## Applicable Specifications

1) CE	EU Low Voltage Directive 2006/95/EC
-------	-------------------------------------

## Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS Compliance on this item. Refer to the <a href="#">RoHS Certificate of Compliance</a> for more detail.
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. For up-to-date information, please see <a href="#">Alpha's REACH SVHC Declaration</a> .

# Properties

Physical & Mechanical Properties	
1) Temperature Range	-70 to 150°C
2) Bend Radius	10X Cable Diameter
Electrical Properties	
Engineering purposes only	
1) Voltage Rating	30 V <sub>RMS</sub>
2) Characteristic Impedance	50 $\omega$ +/- 5
3) Ground Capacitance	33.6 pF/ft @1 kHz, Nominal
4) Velocity of Propagation	69 %
5) Conductor DCR	1005.8 $\omega$ /1000ft @20°C, max.
6) Attenuation (max. dB/100ft.)	11.6 @ 10 MHz

# Other

Packaging	Flange x Traverse x Barrel (inches)
a) 328 FT	5.12 x 3.54 x 2.36 Continuous Length
	Spool dimensions may vary slightly.

[www.alphawire.com](http://www.alphawire.com)

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire (“Alpha”) makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an “AS IS” basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had 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.

SpecPDFFooterConfidential



## EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 9438

9438, RoHS-Compliant Commencing With 01/08/2003 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Union (2011/65/EU), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitions and **Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control"

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 issuance. This document is not intended to be a 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 to provide Regulatory information for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulatory requirements. Authorized Signatory for the Alpha Wire:

A handwritten signature in blue ink, appearing to read 'QBW', with a long horizontal line extending to the right.

Dave Watson, Director of Engineering & QA 16/08/2025

Alpha Wire  
711 Lidgerwood Ave.  
Elizabeth, NJ 07207  
Tel: 1-908-925-8000