

Customer Specification

PART NO. 9008

Construction

						Diameters (In)	
1) Component 1						1 X 1 COAX	
a) Conductor						13 (7/21) AWG Bare Copper	0.086
b) Insulation						0.0995" Wall, Nom. Polyethylene(PE)	0.285
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	CLEAR						
2) Shield						Bare Copper BRAID Shield,94% Coverage, Min.	
3) Jacket						0.046" Wall, Nom.,Type I PVC	0.405+/- 0.007
a) Color(s)						BLACK	
b) Print						ALPHA WIRE-* P/N 9008 RG 8/U ROHS * = Factory Code	

Applicable Specifications

1) Military	JAN-C-17A / RG-8/U	60°C / 3700 V _{RMS}
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Environmental

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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) 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	
1) Temperature Range	-20 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	59 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	3700 V _{RMS}
2) Characteristic Impedance	52 Ω +/- 2
3) Ground Capacitance	29.5 pF/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	1.9 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	1.29 Ω/1000ft @20°C, Nominal
7) Voltage Withstanding	10 kVrms, Minimum
8) Corona Extinction	5 kVrms, Minimum
9) Attenuation, Max dB/100ft	2.3 @ 100 MHz
	6 @ 400 MHz
	20 @ 3 GHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 14.25 x 8 Continuous length
b) 500 FT	18 x 9 x 8 Continuous length
c) 100 FT	12 x 5.94 x 5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 9008

9008, RoHS-Compliant Commencing With 8/1/2003 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

- Lead
- Mercury
- Cadmium
- Hexavalent Chromium
- Polybrominated Biphenyls (PBB)
- Polybrominated Diphenyl Ethers (PBDE) ,
Including Deca-BDE
- Bis(2-ethylhexyl) phthalate (DEHP)
- Butyl benzyl phthalate (BBP)
- Dibutyl phthalate (DBP)
- Diisobutyl phthalate (DIBP)

Maximum Control Value

- 0.1% by weight (1000 ppm)
- 0.1% by weight (1000 ppm)
- 0.01% by weight (100 ppm)
- 0.1% by weight (1000 ppm)
- 0.1% by weight (1000 ppm)
- 0.1% by weight (1000 ppm)
- 0.1% by weight (1000 ppm)
- 0.1% by weight (1000 ppm)
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- 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 6/12/2026

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