

Customer Specification

PART NO. 9058A

Construction

						Diameter ("in")	
1) Component 1						1 x 1 COAX	
a) Conductor						21 (19/.0071) AWG TC	0.036
b) Insulation						0.040" Wall, Nom. Polyethylene (PE)	0.116
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	CLEAR						
2) Shield						TC BRAID Shield,95% Coverage (min.)	
3) Jacket						0.028" Wall, Nom. Type I PVC	0.195+/- 0.004
a) Color(s)						BLACK	
b) Print						ALPHA WIRE-* P/N 9058A RG 58A/U ROHS * = Factory Code	

Applicable Specifications

1) Military	JAN-C-17A/RG 58A/U TYPE	

Environmental

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1) EU Directive 2011/65/EU(RoHS2)	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Refer to the Alpha Wire RoHS Certificate of Compliance .
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 Alpha's REACH SVHC Declaration .
3) California Proposition 65	Outer surface materials used in manufacturing this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	12.1 lbs. max.
Electrical Properties	
	Engineering purposes only
1) Voltage Rating	1400 V _{RMS}
2) Characteristic Impedance	50 ω +/- 2
3) Ground Capacitance	30.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	11.9 ω/1000ft @20°C, Nominal
6) OA Shield DCR	4.5 ω/1000ft @20°C, Nominal
7) Voltage Withstanding	5 kV (min.)
8) Corona Extinction	1.9 kV (min.)
9) Attenuation (max. dB/100ft)	4 @ 50 MHz
	13.2 @ 400 MHz
	28 @ 1 GHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 6 x 3.5 Continuous Length
b) BOX 1000FT	11-3/4 EASY REEL: Continuous Length
c) BOX 500FT	7-5/8 EASY REEL: Continuous Length
d) 500 FT	12 x 4.5 x 3.5 Continuous Length
e) 100 FT	6.5 x 4 x 2.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 9058A

9058A, RoHS-Compliant Commencing With 01/11/2004 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

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)

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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 intended to provide guidance 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 provide a warranty or guarantee of any kind. Regulatory information is 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 15/09/2025

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