

# Customer Specification

## PART NO. 9058A

### Construction

		Diameters (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	
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### Environmental

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. Consult Alpha Wire's web site for RoHS C of C.
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:	The outer surface materials used in the manufacture of 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, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	1400 V <sub>RMS</sub>
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, Minimum
8) Corona Extinction	1.9 kV, Minimum
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>

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

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