



Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Customer Specification

PART NO. 9008

Construction

		Diameters (In)			
1) Component 1	1 X 1 COAX				
a) Conductor	13 (7/21) AWG BC				
b) Insulation	0.0995" Wall, Nom. Polyethylene(PE)	0.285			
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	CLEAR				
2) Shield	BC 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

1) EU Directive 2002/95/EC(RoHS):	All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
2) 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	59 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	3700 V _{RMS}
2) Characteristic Impedance	52 +/- 2
3) Ground Capacitance	29.5 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	1.9 /1000ft @20°C, Nominal
6) OA Shield DCR	1.29 /1000ft @20°C, Nominal
7) Voltage Withstanding	10 kV, Minimum
8) Corona Extinction	5 kV, Minimum
9) Attenuation, Max dB/100ft	2.3 @ 100 MHz
	6 @ 400 MHz
	20 @ 3 GHz

Other

1) Packaging	
a) 1000 FT	
b) 500 FT	
c) 100 FT	

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