

Customer Specification

PART NO. 9217

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		10 (1/.106) AWG BC			
b) Insulation		0.132" Wall, Nom. Polyethylene(PE)		0.370	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
Individually Applied:					
c) Shield		BC BRAID Shield,95% Coverage, Min.			
2) Shield		BC BRAID Shield,95% Coverage, Min.			
3) Jacket		0.056" Wall, Nom.,Type IIA PVC		0.545+/- 0.010	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9217 RG 217/U ROHS * = Factory Code			

Applicable Specifications

1) Military	MIL-C-17D/78A RG-217/U	60deg;C / 5200 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	124 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	5200 V _{RMS}
2) Characteristic Impedance	50 +/- 2
3) Ground Capacitance	30.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	0.92 /1000ft @20°C, Nominal
6) OA Shield DCR	0.62 /1000ft @20\°C, Nominal
7) Voltage Withstanding	12 kV, Minimum
8) Corona Extinction	7 kV, Minimum
9) Attenuation, Max dB/100ft	1 @ 50 MHz
	6.9 @ 1 GHz
	14 @ 3 GHz

Other

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

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:9217

9217 , RoHS-Compliant Commencing With9/1/2005Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.1% 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)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA

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