

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9217
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Issue: 4
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A. Construction

Diameters

- | | | |
|----------------|------------------------------------|-------|
| 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
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 | |

B. Industry Approvals

- 1) Military MIL-C-17D/78A RG-217/U 60°C / 5200V
- 2) 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.

- 3) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 60°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 124 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 5200 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 0.92 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 0.62 Ω/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

E. Other

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

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