

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9058AC
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Issue: 3
Issue Date: 7/29/2009
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A. Construction

Diameters (In)

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COAX | |
| | a) Conductor | 20 (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 9058AC | |
| | | RG 58A/U 21 AWG UL TYPE CL2 SHIELDED | ROHS |
| | | * = Factory Code | |

B. Industry Approvals

- | | | | |
|----|----------|-------------------------|------|
| 1) | UL | CL2 | 60°C |
| 2) | Military | JAN-C-17A/RG 58A/U TYPE | |

C. Environmental Approvals

- 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.

D. Physical & Mechanical Properties

- | | | | |
|----|-------------------|--------------------|--|
| 1) | Temperature Range | -20 to 60°C | |
| 2) | Bend Radius | 10X Cable Diameter | |
| 3) | Pull Tension | 12.1 Lbs, Maximum | |
- E. Electrical Properties** (For 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, Minimum | |
| 8) | Corona Extinction | 1.9 kV, Minimum | |
| 9) | Attenuation, Max dB/100ft | 5.8 @ 100 MHz | |
| | | 28 @ 1 GHz | |

F. Other

- 1) Packaging
- | | |
|----|------------|
| a) | 2500 FT |
| b) | 1000 FT |
| c) | BOX 1000FT |
| d) | 500 FT |
| e) | 100 FT |

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