

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9058C
Page 1 of 1 Pages

Issue: 5
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A. Construction

Diameters

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COAX | |
| | a) Conductor | 20 (19/.0072) AWG TC | |
| | 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 IIA PVC | 0.195+/- 0.004 |
| | a) Color(s) | BLACK | |
| | b) Print | ALPHA WIRE-* P/N 9058C
RG 58C/U ROHS
* = Factory Code | |

B. Industry Approvals

- 1) Military MIL-C-17/28B RG 58C/U
- 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 12.3 Lbs, Maximum

D. 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 11.5 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
5.8 @ 100 MHz
17 @ 400 MHz
28 @ 1 GHz

E. Other

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

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