

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9059B
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Issue: 6
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A. Construction

Diameters

- | | | |
|----------------|------------------------------------|-------|
| 1) Component 1 | 1 X 1 COAX | |
| a) Conductor | 23 (SOLID) AWG BCW | |
| b) Insulation | 0.061" Wall, Nom. Polyethylene(PE) | 0.146 |
| (1) Color(s) | | |
-
- | Cond | Color | Cond | Color | Cond | Color |
|------|---------|------|-------|------|-------|
| 1 | NATURAL | | | | |
-
- | | | |
|-------------|--|----------------|
| 2) Shield | BC BRAID Shield,94% Coverage, Min. | |
| 3) Jacket | 0.034" Wall, Nom.,Type IIA PVC | 0.242+/- 0.010 |
| a) Color(s) | BLACK | |
| b) Print | ALPHA WIRE-* P/N 9059B
RG 59B/U 1C 23 AWG SHIELDED (UL) TYPE CL2X
OR C(UL) TYPE CMH FT1 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|--|------|
| 1) UL | CL2X | 60°C |
| 2) CSA International | CMH
FT1 | 60°C |
| 3) Military | MIL-C-17D/29B RG-59B/U | |
| 4) 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. | |
| 5) 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 | 11.3 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|------------------------------|------------------------------|
| 1) Voltage Rating | 1700 V _{RMS} |
| 2) Characteristic Impedance | 75 Ω +/- 3 |
| 3) Ground Capacitance | 20.5 pf/ft @1 kHz, Nominal |
| 4) Velocity of Propagation | 66 % |
| 5) Conductor DCR | 51.8 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 2.5 Ω/1000ft @20°C, Nominal |
| 7) Voltage Withstanding | 7 kV, Minimum |
| 8) Corona Extinction | 2.3 kV, Minimum |
| 9) Attenuation, Max dB/100ft | 9 @ 400 MHz
30 @ 3 GHz |

E. Other

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

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