

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9059C
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Issue: 5
Issue Date: 3/29/2006
Effective Date: 5/15/2006

A. Construction

Diameters

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COAX | |
| | a) Conductor | 22 (SOLID) AWG BCW | |
| | b) Insulation | 0.060" Wall, Nom. Polyethylene(PE) | 0.146 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	NATURAL				

- | | | | |
|----|-------------|------------------------------------|----------------|
| 2) | Shield | BC BRAID Shield,95% Coverage, Min. | |
| 3) | Jacket | 0.034" Wall, Nom., Type I PVC | 0.242+/- 0.008 |
| | a) Color(s) | Black, Red, Gray, Blue, Green | |
| | b) Print | ALPHA WIRE-* P/N 9059C 1C 22 AWG | |

RG 59/U SHIELDED (UL) TYPE CL2 OR AWM STYLE
1354 LLXXXXXX CSA TYPE CMG FT4 ROHS
* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- | | | | |
|----|--------------------------------|---------------------|------------|
| 1) | UL | AWM/STYLE1354 | 60°C / 30V |
| | | CL2 | 60°C |
| 2) | CSA International | CMG | 60°C |
| | | FT4 | |
| 3) | Military | JAN-C-17A / RG-59/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 | 12.4 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|------------------------------|
| 1) | Voltage Rating | 1700 V _{RMS} |
| 2) | Characteristic Impedance | 73 Ω +/- 3 |
| 3) | Ground Capacitance | 21 pf/ft @1 kHz, Nominal |
| 4) | Velocity of Propagation | 66 % |
| 5) | Conductor DCR | 41.3 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 2.6 Ω/1000ft @20°C, Nominal |
| 7) | Voltage Withstanding | 7 kV, Minimum |
| 8) | Corona Extinction | 2.3 kV, Minimum |
| 9) | Attenuation, Max dB/100ft | 10.5 @ 400 MHz |

E. Other

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

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e) 100 FT

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