

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9803C
Page 1 of 2 Pages

Issue: 3
Issue Date: 4/26/2006
Effective Date: 6/15/2006

A. Construction

Diameters

- | | | | |
|----|---------------|--------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COAX | |
| | a) Conductor | 22 (7/30) AWG BC | |
| | b) Insulation | 0.057" Wall, Nom. Polyethylene, Foam | 0.144 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	NATURAL				

- | | | | |
|----|-------------|---|----------------|
| 2) | Shield | BC BRAID Shield, 95% Coverage, Min. | |
| 3) | Jacket | 0.035" Wall, Nom., Type I PVC | 0.242+/- 0.006 |
| | a) Color(s) | BLACK | |
| | b) Print | ALPHA WIRE-* P/N 9803C 1C 22 AWG
RG 59/U TYPE SHIELDED (UL) TYPE CL2 OR AWM 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 | MIL-C-17/RG 59/U type | |
| 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 | 12.8 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|---|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Characteristic Impedance | 75 Ω +/- 3 |
| 3) | Ground Capacitance | 17.3 pf/ft @1 kHz, Nominal |
| 4) | Velocity of Propagation | 78 % |
| 5) | Conductor DCR | 15.1 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 2.6 Ω/1000ft @20°C, Nominal |
| 7) | Voltage Withstanding | 5 kV, Minimum |
| 8) | SRL | 18 db, Minimum, 5 – 300 Mhz |
| 9) | Attenuation, Max dB/100ft | 2.3 @ 50 MHz
3.2 @ 100 MHz
4.7 @ 200 MHz
6.8 @ 400 MHz
11.2 @ 1 GHz |

E. Other

- 1) Packaging

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

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