

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9804C
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Issue: 3
Issue Date: 4/26/2006
Effective Date: 6/15/2006

A. Construction

Diameters

- | | | | |
|----|---------------|--------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COAX | |
| | a) Conductor | 18 (SOLID) AWG BC | |
| | b) Insulation | 0.070" Wall, Nom. Polyethylene, Foam | 0.180 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	NATURAL				

- | | | | |
|----|-------------------|---|----------------|
| 2) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing Out | |
| | b) Braid | TC,60% Coverage, Min. | |
| 3) | Jacket | 0.032" Wall, Nom., Type I PVC | 0.270+/- 0.007 |
| | a) Color(s) | BLACK | |
| | b) Print | ALPHA WIRE-* P/N 9804C 1C 18 AWG
RG 6/U TYPE SHIELDED (UL) TYPE CL2 OR AWM 1354
C(UL) TYPE CMG FT4 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|------------------------|------------|
| 1) | UL | AWM/STYLE1354 | 60°C / 30V |
| | | CL2 | 60°C |
| 2) | CSA International | CMG | 60°C |
| | | FT4 | |
| 3) | Military | MIL-C-17D/ RG 6/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 | 16.1 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|--|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Characteristic Impedance | 75 Ω +/- 3 |
| 3) | Ground Capacitance | 17.4 pf/ft @1 kHz, Nominal |
| 4) | Velocity of Propagation | 78 % |
| 5) | Conductor DCR | 6.4 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 5.5 Ω/1000ft @20°C, Nominal |
| 7) | Voltage Withstanding | 4 kV, Minimum |
| 8) | SRL | 20 db, Minimum |
| 9) | Attenuation, Max dB/100ft | 1.6 @ 50 MHz
5.2 @ 500 MHz
7.1 @ 900 MHz |

E. Other

- | | |
|----|------------|
| 1) | Packaging |
| | a) 1000 FT |

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- b) 500 FT
- c) 100 FT

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