

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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