ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 1736C Issue: 6

Page 1 of 1 Pages Issue Date: 5/19/2005 Effective Date: 8/1/2005

A. Construction <u>Diameters</u>

1) Component 1 2 X 1 COND

a) Conductor 22 (7/30) AWG TC

b) Insulation 0.016" Wall, Nom. PVC 0.062

(1) Color Code Alpha Wire Color Code D

 Cond
 Color
 Cond
 Color
 Cond
 Color

 1
 BLACK
 2
 RED
 Cond
 Color

2) Cable Assembly 2 Components Cabled a) Twists: 6.9 Twists/foot (min)

b) Core Wrap
3) Shield
Clear Mylar Tape, 25% Overlap, Min.
BC BRAID Shield,75% Coverage, Min.

4) Jacket 0.020" Wall, Nom.,PVC 0.189 (0.199 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-* P/N 1736C 2/C 22 AWG

SHIELDED 75C (UL) TYPE CM OR AWM 2095 --- 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/STYLE2095 80°C / 300V

CM 75°C

VW-1

2) CSA International CMG 60°C

FT4

3) 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.

4) 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 80°C

2) Bend Radius 10X Cable Diameter 3) Pull Tension 14.3 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

Capacitance43 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 77 pf/ft @1 kHz, Nominal

Characteristic Impedance 53 Ω

5) Inductance 0.2 µH/ft, Nominal

6) Conductor DCR
 7) OA Shield DCR
 16.3 Ω/1000ft @20°C, Nominal
 5.7 Ω/1000ft @20°C, Nominal

E. Other

Packaging

a) 1000 FT

b) 500 FT

c) 100 FT

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described berein