ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 2412C Issue: 5

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A. Construction <u>Diameters</u>

1) Component 1 2 X 1 COND a) Conductor 20 (7/28) AWG TC

b) Insulation 0.016" Wall, Nom. Polyethylene(PE) 0.070

(1) Color(s)

 Cond
 Color
 Cond
 Color
 Cond
 Color

 1
 BLACK
 2
 RED
 Color
 Color

2) Cable Assembly 2 Components Cableda) Twists: 6.0 Twists/foot (min)

3) Shield: Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Direction Foil Facing Out b) Drain Wire 20 (7/28) AWG TC

4) Jacket 0.020" Wall, Nom., PVC 0.184 (0.194 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-* P/N 2412C 2/C 20 AWG

SHIELDED 75C (UL) TYPE CM OR AWM 2092 ----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/STYLE2092 60°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 75°C

2) Bend Radius3) Pull Tension10X Cable Diameter26 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

2) Capacitance 22.7 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 41 pf/ft @1 kHz, Nominal

4) Characteristic Impedance 68 Ω

5) Inductance 0.19 µH/ft, Nominal

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

E. Other

1) Packaging

a) 1000 FT

b) BOX 1000FT

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c) BOX 500FT

d) 500 FT

e) 100 FT

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