ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 6416 Issue: 3

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A. Construction <u>Diameters</u>

1) Component 1 2 X 1 PAIR

a) Conductor 20 (7/28) AWG TC

b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.058

(1) Color(s)

 Pair
 Color
 Pair
 Color
 Pair
 Color

 1
 BLACK-RED
 2
 GREEN-WHITE
 Color

c) Pair 2/Cond Cabled Together (1) Twists: 8.0 Twists/foot (min)

Individually Applied:

d) Shield: Foil Free Alum/Mylar Tape, 25% Overlap, Min.

(1) Foil Direction (2) Drain Wire (2) Cable Assembly (3) Twists: 4.0 Twists/foot (min)

3) Jacket 0.041" Wall, Nom.,PVC 0.295 (0.309 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-* P/N 6416 2PR 20 AWG

SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- 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/STYLE2464 80°C / 300V

CM 75°C

VW-1

2) CSA International CMG 60°C

FT4

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 Radius3) Pull Tension10X Cable Diameter46 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

2) Mutual Capacitance
 3) Ground Capacitance
 4) Conductor DCR
 55 pf/ft @1 kHz, Nominal
 95 pf/ft @1 kHz, Nominal
 10.3 Ω/1000ft @20°C, Nominal
 10.3 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

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b) 500 FT

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