## ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 6406 Issue: 3

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A. Construction <u>Diameters</u>

1) Component 1 7 X 1 PAIR

a) Conductor 24 (7/32) AWG TC

b) Insulation 0.016" Wall, Nom. Polyethylene(PE) 0.056

(1) Color Code Alpha Wire Color Code M

Pair	Color	Pair	Color	Pair	Color
1	BLUE/WHITE - WHITE/BLUE	4	BROWNWHITE - WHITE/BROWN	7	ORANGE/RED - RED/ORANGE
2	ORANGE/WHITE - WHITE/ORANGE	5	SLATE/WHITE - WHITE/SLATE		
3	GREEN/WHITE - WHITE/GREEN	6	BLUE/RED - RED/BLUE		

c) Pair 2/Cond Cabled Together
(1) Twists: 8.0 Twists/foot (min)
2) Cable Assembly 7 Components Cabled
a) Twists: 3.0 Twists/foot (min)

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

a) Foil Direction Foil Facing Out
b) Drain Wire 24 (7/32) AWG TC
c) Braid TC,65% Coverage, Min.

4) Jacket 0.035" Wall, Nom., PVC 0.373 (0.391 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-\* P/N 6406 7PR 24 AWG

SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE

COMPUTER CABLE --- LLXXXXXX CSA TYPE CMH FT1

**ROHS** 

\* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

**B. Industry Approvals** 

1) UL AWM/STYLE2919 80°C / 30V

CM 75°C

VW-1

2) CSA International CMH 60°C

FT1

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 Radius3) Pull Tension10X Cable Diameter58 Lbs, Maximum

**D. Electrical Properties** (For Engineering purposes only)

1) Voltage Rating 300  $V_{RMS}$  2) Characteristic Impedance 100  $\Omega$ 

3) Mutual Capacitance
 4) Ground Capacitance
 5) Conductor DCR
 6) OA Shield DCR
 15.5 pf/ft @1 kHz, Nominal
 27.5 pf/ft @1 kHz, Nominal
 26 Ω/1000ft @20°C, Nominal
 3.1 Ω/1000ft @20°C, Nominal

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## E. Other

1) Packaging

a) 1000 FT

b) 500 FT

c) 100 FT

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