ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 6411 Issue: 3

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A. Construction <u>Diameters</u>

1) Component 1 25 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	10	SLATE/RED - RED/SLATE	19	BROWN/YELLOW - YELLOW/BROWN
2	ORANGE/WHITE - WHITE/ORANGE	11	BLUE/BLACK - BLACK/BLUE	20	SLATE/YELLOW - YELLOW/SLATE
3	GREEN/WHITE - WHITE/GREEN	12	ORANGE/BLACK - BLACK/ORANGE	21	BLUE/VIOLET - VIOLET/BLUE
4	BROWNWHITE - WHITE/BROWN	13	GREEN/BLACK - BLACK/GREEN	22	ORANGE/VIOLET - VIOLET/ORANGE
5	SLATE/WHITE - WHITE/SLATE	14	BROWN/BLACK - BLACK/BROWN	23	GREEN/VIOLET - VIOLET/GREEN
6	BLUE/RED - RED/BLUE	15	SLATE/BLACK - BLACK/SLATE	24	BROWN/VIOLET - VIOLET/BROWN
7	ORANGE/RED - RED/ORANGE	16	BLUE/YELLOW - YELLOW/BLUE	25	SLATE/VIOLET - VIOLET/SLATE
8	GREEN/RED - RED/GREEN	17	ORANGE/YELLOW -		
			YELLOW/ORANGE		
9	BROWN/RED - RED/BROWN	18	GREEN/YELLOW - YELLOW/GREEN		

c) Pair 2/Cond Cabled Together

(1) Twists: 8.0 Twists/foot (min)
2) Cable Assembly 25 Components Cabled
a) Twists: 1.5 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 0.047" Wall, Nom.,PVC 0.671 (0.701 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-* P/N 6411 25PR 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.

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 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 Diameter188 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS} 2) Characteristic Impedance 100 Ω

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3) Mutual Capacitance

4) Ground Capacitance

5) Conductor DCR

6) OA Shield DCR

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT

15.5 pf/ft @1 kHz, Nominal 27.5 pf/ft @1 kHz, Nominal 26 Ω /1000ft @20°C, Nominal 2.2 Ω /1000ft @20°C, Nominal

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