ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 58909 Issue: 5

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A. Construction <u>Diameters</u>

1) Component 1 9 X 1 PAIR

a) Conductor 24 (7/32) AWG TC

b) Insulation 0.012" Wall, Nom. Teflon(FEP) 0.048

(1) Color Code Alpha Wire Color Code N

Pair	Color	Pair	Color	Pair	Color
1	BLACK-YELLOW	4	ORANGE-GREEN	7	RED/WHITE-WHITE/RED
2	RED-VIOLET	5	BLACK/WHITE-WHITE/BLACK	8	ORANGE/WHITE-WHITE/ORANGE
3	BLUE-BROWN	6	BROWN/WHITE-WHITE/BROWN	9	YELLOW/WHITE-WHITE/YELLOW

c) Pair 2/Cond Cabled Together
(1) Twists: 9.6 Twists/foot (min)
2) Cable Assembly 9 Components Cabled
a) Twists: 2.8 Twists/foot (min)

b) Core Wrap Clear Mylar Tape, 25% Overlap, Min. 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Direction Foil Facing In b) Drain Wire 24 (7/32) AWG TC

4) Jacket 0.011" Wall, Nom., PVDF 0.315 (0.332 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-* P/N 58909 9PR 24 AWG

SHIELDED 125C (UL) TYPE CL2P ---LLXXXXXX CSA TYPE CMP FT6 ROHS

* = Factory Code

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

B. Industry Approvals

1) UL CL2P 125°C
2) CSA International CMP 125°C
FT6

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

Temperature Range -55 to 125°C
 Bend Radius 10X Cable Diameter
 Pull Tension 67 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 150 V_{RMS} 2) Characteristic Impedance 110 Ω

3) Mutual Capacitance4) Ground Capacitance12.5 pf/ft @1 kHz, Nominal23 pf/ft @1 kHz, Nominal

E. Other

Packaging
 a) 1000 FT
 b) 500 FT

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