## ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 3304 Issue: 4

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A. Construction <u>Diameters</u>

1) Component 1 4 X 1 COND

a) Conductor 28 (7/36) AWG TC

b) Insulation 0.010" Wall, Nom. PVC 0.035

(1) Color Code Alpha Wire Color Code F

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	WHITE	4	GREEN		

2) Cable Assembly 4 Components Cabled a) Twists: 9.6 Twists/foot (min)

b) Core Wrap3) ShieldClear Mylar Tape, 25% Overlap, Min.TC BRAID Shield,90% Coverage, Min.

4) Jacket 0.012" Wall, Nom.,PVC 0.134 (0.142 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-\* P/N 3304

**ROHS** 

\* = Factory Code

**B. Industry Approvals** 

1) Military

a) Component 1 MIL-W-16878/Type B 105°C / 600V

2) 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.

3) 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 -55 to 105°C

2) Bend Radius3) Pull Tension40X Cable Diameter8.8 Lbs, Maximum

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

1) Voltage Rating 600 V<sub>RMS</sub>

2) Capacitance 35 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 63 pf/ft @1 kHz, Nominal 4) Inductance 0.22 µH/ft, Nominal

5) Conductor DCR
65 Ω/1000ft @20°C, Nominal
6) OA Shield DCR
65 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

b) 100 FT

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