ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3302 | **Issue:** 4
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A. Construction — **Diameters**

1) Component 1 — 2 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	2	WHITE		

2) Cable Assembly — 2 Components Cabled
   a) Twists: — 12.0 Twists/foot (min)
   b) Core Wrap — Clear Mylar Tape, 25% Overlap, Min.
3) Shield — TC BRAID Shield,90% Coverage, Min.
4) Jacket — 0.012" Wall, Nom.,PVC — 0.119 (0.126 Max.)
   a) Color(s) — GRAY
   b) Print — ALPHA WIRE-* P/N 3302
      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 Radius — 10X Cable Diameter
3) Pull Tension — 5.4 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating — 600 V_{RMS}
2) Capacitance — 38 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance — 68 pf/ft @1 kHz, Nominal
4) Characteristic Impedance — 59 Ω
5) Inductance — 0.22 µH/ft, Nominal
6) Conductor DCR — 65 Ω/1000ft @20°C, Nominal
7) OA Shield DCR — 7.5 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging
   a) 1000 FT
   b) 100 FT

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