ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 58411	**Issue: 8**
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	Effective Date: 2/6/2009

A. Construction — **Diameters (In)**

1) Component 1 — 1 X 1 PAIR
   a) Conductor — 22 (7/30) AWG BC
   b) Insulation — 0.008" Wall, Nom. PVC, Plenum Rated — 0.046
      (1) Color Code — Alpha Wire Company Color Code A1

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED				

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 8.0 Twists/foot (min)
2) Shield: — Alum/Mylar Tape, 25% Overlap, Min.
   a) Foil Direction — Foil Facing Out
   b) Drain Wire — 24 (7/32) AWG TC
3) Jacket — 0.015" Wall, Nom.,PVC, Plenum Rated — 0.126 (0.133 Max.)
   a) Color(s) — SLATE
   b) Print — ALPHA WIRE-* P/N 58411 1PR 22 AWG
   SHIELDED 75C CMP(UL) C(UL) OR 75C (UL) CL2P ROHS
   * = Factory Code

B. Industry Approvals

1) UL — CMP 75°C; CL2P 75°C
2) CSA International — FT6; C(UL) TYPE CMP 75°C
3) Other — REACH Regulation (EC 1907/2006)
4) 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.
5) 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 75°C
2) Bend Radius — 10X Cable Diameter
3) Pull Tension — 14.5 Lbs, Maximum

D. Electrical Properties — (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Mutual Capacitance — 57 pf/ft @1 kHz, Nominal
3) Ground Capacitance — 103 pf/ft @1 kHz, Nominal
4) Characteristic Impedance — 38 Ω
5) Inductance — 0.17 µH/ft, Nominal
6) Conductor DCR — 15.2 Ω/1000ft @20°C, Nominal
7) OA Shield DCR — 23.6 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging
   a) 1000 FT
   b) 500 FT

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