ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6012L	**Issue: 1**
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	Effective Date: 12/19/2008

A. Construction — **Diameters (In)**

1) Component 1 — 6 X 1 PAIR
   a) Conductor — 22 (7/30) AWG TC
   b) Insulation — 0.010" Wall, Nom. Polypropylene(PP) — 0.050
      (1) Color Code — Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE	6	BLACK-YELLOW

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 8.0 Twists/foot (min)
   Individually Applied:
   d) Shield: — Foil Free Alum/Mylar Tape, 25% Overlap, Min.
      (1) Foil Direction — Foil Facing In
      (2) Drain Wire — 22 (7/30) AWG TC
2) Cable Assembly — 6 Components Cabled
   a) Twists: — 3.0 Twists/foot (min)
   b) Core Wrap — Clear Mylar Tape, 25% Overlap, Min.
3) Jacket — 0.040" Wall, Nom.,Low Smoke Zero Halogen (LSZH) — 0.386 (0.406 Max.)
   a) Color(s) — SLATE
   b) Print — ALPHA WIRE-* P/N 6012L 6PR 22 AWG
      SHIELDED 75C (UL) TYPE CM OR 75C C(UL) TYPE CMG
      LSZH ROHS
      * = Factory Code

B. Industry Approvals

1) UL — CM — 75°C
2) CSA International — FT4
   C(UL) TYPE CMG — 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.

C. Physical & Mechanical Properties

1) Temperature Range — -20 to 75°C
2) Bend Radius — 10X Cable Diameter
3) Pull Tension — 99 Lbs, Maximum

D. Electrical Properties — (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Characteristic Impedance — 60 Ω
3) Mutual Capacitance — 28 pf/ft @1 kHz, Nominal

E. Other

1) Packaging
   a) Bulk(Made-to-order)
2) Notes:
   a) Flammability - Passes IEC 60332-1
   b) Acid Gas Generation - Passes IEC 60754-1 and 60754-2
   c) Smoke Emission - Passes IEC 61034-2

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