ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6056C		**Issue:**	**6**
Page 1 of 2 Pages		**Issue Date:**	**5/23/2005**
		Effective Date:	**8/1/2005**

A. Construction — **Diameters (In)**

1) Component 1 — 6 X 1 PAIR
   a) Conductor — 22 (7/30) AWG TC
   b) Insulation — 0.016" Wall, Nom. PVC — 0.062
      (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: — 6.9 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: — 2.4 Twists/foot (min)
   b) Core Wrap — Clear Mylar Tape, 25% Overlap, Min.
3) Jacket — 0.053" Wall, Nom.,PVC — 0.451 (0.471 Max.)
   a) Color(s) — SLATE
   b) Print — ALPHA WIRE-* P/N 6056C 6PR 22 AWG
   SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- LLXXXXXX
   CSA TYPE CMG FT4 ROHS
   * = Factory Code
   [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

1) UL — AWM/STYLE 2464 — 80°C / 300 V_{RMS}
   CM — 75°C
   VW-1
2) CSA International — CMG — 60°C
   FT4
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

1) Temperature Range — -20 to 80°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) Mutual Capacitance — 43 pf/ft @1 kHz, Nominal
3) Ground Capacitance — 77 pf/ft @1 kHz, Nominal
4) Characteristic Impedance — 53 Ω
5) Inductance — 0.2 µH/ft, Nominal
6) Conductor DCR — 16.6 Ω/1000ft @20°C, Nominal
7) Component Shield DCR — 13.8 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging
   a) 1000 FT
   b) 500 FT

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c) 100 FT

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