ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6212C		**Issue:**	**4**
Page 1 of 1 Pages		**Issue Date:**	**5/26/2005**
		Effective Date:	**8/1/2005**

A. Construction — **Diameters (In)**

1) Component 1 — 2 X 1 PAIR
   a) Conductor — 22 (7/30) AWG TC
   b) Insulation — 0.020" Wall, Nom. Polypropylene, Foam — 0.070
      (1) Color Code — Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	2	BLACK-WHITE		

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 6.0 Twists/foot (min)
2) Cable Assembly — 2 Components Cabled
   a) Twists: — 3.7 Twists/foot (min)
3) Shield: — Alum/Mylar Tape, 25% Overlap, Min.
   a) Foil Direction — Foil Facing Out
   b) Drain Wire — 22 (7/30) AWG TC
4) Jacket — 0.035" Wall, Nom.,PVC — 0.304 (0.324 Max.)
   a) Color(s) — SLATE
   b) Ripcord — 1 End 810 Denier Nylon
   c) Print — ALPHA WIRE-* P/N 6212C 2PR 22 AWG
   SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE
   COMPUTER CABLE --- 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 2919 — 80°C / 30 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 — 27 Lbs, Maximum

D. Electrical Properties — (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Characteristic Impedance — 105 Ω +/- 10
3) Mutual Capacitance — 12.5 pf/ft @1 kHz, Nominal
4) Ground Capacitance — 22 pf/ft @1 kHz, Nominal
5) Velocity of Propagation — 78 %
6) Attenuation, Max dB/100ft — 0.16 @ 100 kHz
   0.4 @ 1 MHz
   2.3 @ 50 MHz

E. Other

1) Packaging

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a) 1000 FT
b) 500 FT

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