ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5124C		**Issue:**	**10**
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		Effective Date:	**3/1/2008**

A. Construction — **Diameters (In)**

1) Component 1 — 4 X 1 PAIR
   a) Conductor — 22 (7/30) AWG TC
   b) Insulation — 0.010" Wall, Nom. PVC, Semi Rigid — 0.050
      (1) Color Code — Alpha Wire Company Color Code B

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	3	WHITE-RED		
2	WHITE-BROWN	4	WHITE-ORANGE		

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 8.0 Twists/foot (min)
2) Cable Assembly — 4 Components Cabled
   a) Twists: — 5.3 Twists/foot (min)
   b) Core Wrap — Nonwoven Polyester Tape, 25% Overlap, Min.
3) Shield: — A/P/A Tape, 25% Overlap, Min.
   a) Drain Wire — 22 (7/30) AWG TC
   b) Braid — TC,70% Coverage, Min.
4) Jacket — 0.032" Wall, Nom.,PVC — 0.295 (0.310 Max.)
   a) Color(s) — Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White
   b) Ripcord — 1 End 810 Denier Nylon
   c) Print — ALPHA WIRE-* P/N 5124C 4PR 22 AWG
   XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME
   ENVIRONMENTS - SHIELDED 105C (UL) TYPE CM OR AWM
   2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4
   CE ROHS <SEQ FOOTAGE>
   * = Factory Code
   [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

1) UL
   a) Component 1 — AWM/STYLE 10002 — 105°C / 300 V_{RMS}
   b) Overall — AWM/STYLE 2464 — 80°C / 300 V_{RMS}
      CM — 105°C
      VW-1
2) CSA International — CMG — 105°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.
5) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Physical & Mechanical Properties

1) Temperature Range — -20 to 105°C
2) Bend Radius — 10X Cable Diameter
3) Pull Tension — 54 Lbs, Maximum
4) Sunlight Resistance — Yes

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Mutual Capacitance — 27 pf/ft @1 kHz, Nominal
3) Ground Capacitance — 49 pf/ft @1 kHz, Nominal

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4) Characteristic Impedance 70 Ω
5) Inductance 0.18 µH/ft, Nominal
6) Conductor DCR 16.7 Ω/1000ft @20°C, Nominal
7) OA Shield DCR 3 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging
   a) 1000 FT
   b) 500 FT
   c) 100 FT
   d) Bulk(Made-to-order)

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