ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5472C	**Issue: 5**
Page 1 of 1 Pages	**Issue Date: 5/23/2005**
	Effective Date: 8/1/2005

A. Construction — **Diameters (In)**

1) Component 1 — 2 X 1 PAIR
   a) Conductor — 24 (7/32) AWG TC
   b) Insulation — 0.010" Wall, Nom. PVC, Semi Rigid — 0.044
      (1) Color Code — Alpha Wire Company Color Code K

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

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 9.6 Twists/foot (min)
2) Cable Assembly — 2 Components Cabled
   a) Twists: — 6.0 Twists/foot (min)
3) Shield: — Alum/Mylar Tape, 25% Overlap, Min.
   a) Foil Direction — Foil Facing In
   b) Drain Wire — 24 (7/32) AWG TC
4) Jacket — 0.032" Wall, Nom.,PVC — 0.212 (0.225 Max.)
   a) Color(s) — SLATE
   b) Print — ALPHA WIRE-* P/N 5472C 2PR 24 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
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 — 17.6 Lbs, Maximum

D. Electrical Properties — (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Mutual Capacitance — 28 pf/ft @1 kHz, Nominal
3) Ground Capacitance — 50 pf/ft @1 kHz, Nominal
4) Characteristic Impedance — 64 Ω
5) Inductance — 0.19 µH/ft, Nominal
6) Conductor DCR — 26 Ω/1000ft @20°C, Nominal
7) OA Shield DCR — 15.9 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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