ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5475C	**Issue: 5**
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	Effective Date: 8/1/2005

A. Construction — **Diameters (In)**

1) Component 1 — 5 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	3	BLACK-GREEN	5	BLACK-YELLOW
2	BLACK-WHITE	4	BLACK-BLUE		

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 9.6 Twists/foot (min)
2) Cable Assembly — 5 Components Cabled
   a) Twists: — 4.4 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 — 0.035" Wall, Nom.,PVC — 0.270 (0.286 Max.)
   a) Color(s) — SLATE
   b) Print — ALPHA WIRE-* P/N 5475C 5PR 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 — 39 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Mutual Capacitance — 25 pf/ft @1 kHz, Nominal
3) Ground Capacitance — 45 pf/ft @1 kHz, Nominal
4) Characteristic Impedance — 76 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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