ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 86604CY	**Issue: 10**
Page 1 of 2 Pages	**Issue Date: 7/7/2009**
	Effective Date: 7/21/2009

A. Construction — **Diameters (In)**

1) Component 1 — 4 X 1 PAIR
   a) Conductor — 24 (10/34) AWG TC
   b) Insulation — 0.010" Wall, Nom. PVC, Semi Rigid — 0.044
      (1) Color Code — Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN		
2	BLACK-WHITE	4	BLACK-BLUE		

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 9.6 Twists/foot (min)
2) Cable Assembly — 4 Components Cabled
   a) Twists: — 6.0 Twists/foot (min)
   b) Core Wrap — Nonwoven Polyester Tape, 25% Overlap, Min.
3) Shield: — Flex Alum/Mylar Tape, 25% Overlap, Min.
   a) Foil Direction — Foil Facing Out
   b) Drain Wire — 26 (7/34) AWG TC
   c) Braid — TC,85% Coverage, Min.
4) Jacket — 0.040" Wall, Nom.,PVC — 0.292+/- 0.015
   a) Color(s) — SLATE
   b) Jacket Separator — Tissue Tape, 25% Overlap, Min.
   c) Print — ALPHA WIRE-* P/N 86604CY 4PR 24 AWG
   XTRAGUARD CONTINUOUS FLEX DATA CABLE
   (UL) 105C TYPE CM --- C(UL) CMG OR AWM 2661
   105C 300V --- LLXXXXXX CSA AWM I/II A/B FT4 105C
   300V 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 2661	105°C / 300 V_{RMS}
	CM	105°C
2) CSA International	AWM I/II A/B	105°C / 300 V_{RMS}
	C(UL) TYPE CMG	105°C
	FT4	
3) CE:	LVD 73/23/EEC Amendment 93/68/EEC	

C. Environmental Approvals

1) 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.
2) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

1) Temperature Range — -10 to 105°C(static), +5 to 105°C (dynamic)
2) Bend Radius — 10X Cable Diameter(static), 15X Cable Diameter(dynamic)
3) Pull Tension — 32 Lbs, Maximum
4) Sunlight Resistance — Yes

E. 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

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4) Characteristic Impedance 76 Ω
5) Inductance 0.19 µH/ft, Nominal
6) Conductor DCR 29 Ω/1000ft @20°C, Nominal
7) OA Shield DCR 3.5 Ω/1000ft @20°C, Nominal

F. Other

1) Packaging
   a) 1000 FT
   b) 500 FT
   c) 100 FT

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