ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 86701CY		**Issue:**	**10**
Page 1 of 2 Pages		**Issue Date:**	**7/7/2009**
		Effective Date:	**7/21/2009**

A. Construction — **Diameters (In)**

1) Component 1	1 X 1 PAIR		
a) Conductor	22 (19/34) AWG TC		
b) Insulation	0.010" Wall, Nom. PVC, Semi Rigid		0.052
(1) Color Code	Alpha Wire Company Color Code A		

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED				

c) Cabling	2 COND Cabled	
(1) Twists:	8.0 Twists/foot (min)	
(2) Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min.	
2) 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.	
3) Jacket	0.040" Wall, Nom.,PVC	0.220+/- 0.010
a) Color(s)	SLATE	
b) Jacket Separator	Tissue Tape, 25% Overlap, Min.	
c) Print	ALPHA WIRE-* P/N 86701CY 1PR 22 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	17.3 Lbs, Maximum
4) Sunlight Resistance	Yes

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating	300 V_{RMS}
2) Mutual Capacitance	43 pf/ft @1 kHz, Nominal
3) Ground Capacitance	77 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	45 Ω
5) Inductance	0.17 µH/ft, Nominal

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6) Conductor DCR 15.1 Ω/1000ft @20°C, Nominal
7) OA Shield DCR 4.9 Ω/1000ft @20°C, Nominal

F. Other

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

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