ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 86312CY Issue: 9

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Effective Date: 7/21/2009

A. Construction <u>Diameters (In)</u>

b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.052

(1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	5	ORANGE	9	VIOLET
2	RED	6	BLUE	10	SLATE
3	WHITE	7	BROWN	11	PINK
4	GREEN	8	YELLOW	12	TAN

2) Cable Assembly 12 Components Cabled a) Twists: 4.0 Twists/foot (min)

b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min. Shield: Flex Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Direction Foil Facing Out
b) Drain Wire 26 (7/34) AWG TC
c) Single Serve TC,90% Coverage, Min.

4) Jacket 0.040" Wall, Nom.,PVC 0.367+/- 0.018

a) Color(s) SLATE

b) Jacket Separator Tissue Tape, 25% Overlap, Min.

c) Print ALPHA WIRE-* P/N 86312CY 12C 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

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

2) CSA International

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)

Bend Radius
 8X Cable Diameter(static), 8X Cable Diameter(dynamic)

3) Pull Tension 79 Lbs, Maximum

4) Sunlight Resistance Yes

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

Capacitance38 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 68 pf/ft @1 kHz, Nominal 4) Inductance 0.17 µH/ft, Nominal

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5) Conductor DCR6) OA Shield DCR

15.5 Ω /1000ft @20°C, Nominal 2.8 Ω /1000ft @20°C, Nominal

F. Other

1) Packaging

- a) 1000 FT
- b) 500 FT
- c) 100 FT

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