## ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 86125CY Issue: 9

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

1) Component 1 25 X 1 COND a) Conductor 26 (7/34) AWG TC

o) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.039

(1) Color Code Alpha Wire Company Color Code D

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Cond	Color	Cond	Color	Cond	Color
1	BLACK	10	SLATE	19	WHITE/YELLOW
2	RED	11	PINK	20	WHITE/BLUE
3	WHITE	12	TAN	21	WHITE/BROWN
4	GREEN	13	RED/GREEN	22	WHITE/ORANGE
5	ORANGE	14	RED/YELLOW	23	WHITE/SLATE
6	BLUE	15	RED/BLACK	24	WHITE/VIOLET
7	BROWN	16	WHITE/BLACK	25	WHITE/BLACK/RED
8	YELLOW	17	WHITE/RED		
9	VIOLET	18	WHITE/GREEN		

2) Cable Assembly 25 Components Cabled a) Twists: 4.4 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 0.355+/- 0.020

a) Color(s) SLATE

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

c) Print ALPHA WIRE-\* P/N 86125CY 25C 26 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

) UL

a) Component 1 AWM/STYLE 10002  $105^{\circ}$ C / 300 V<sub>RMS</sub> b) Overall AWM/STYLE 2661  $105^{\circ}$ C / 300 V<sub>RMS</sub> CM  $105^{\circ}$ C

2) CSA International AWM I/II A/B 105°C / 300 V<sub>RMS</sub>

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

Pull Tension
 63 Lbs, Maximum

4) Sunlight Resistance Yes

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E. Electrical Properties

1) Voltage Rating

2) Capacitance

3) Ground Capacitance

4) Inductance

5) Conductor DCR

6) OA Shield DCR

F. Other

1) Packaging

a) 1000 FT

b) 500 FT

c) 100 FT

(For Engineering purposes only)

 $300 V_{RMS}$ 

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

50 pf/ft @1 kHz, Nominal

0.2 µH/ft, Nominal

42  $\Omega/1000$ ft @20°C, Nominal 2.8  $\Omega/1000$ ft @20°C, Nominal

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