

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 86218CY
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Issue: 9
Issue Date: 7/7/2009
Effective Date: 7/21/2009

A. Construction

Diameters (In)

- 1) Component 1 18 X 1 COND
- 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 D

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

- 2) Cable Assembly 18 Components Cabled
- a) Twists: 4.8 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) Single Serve TC, 90% Coverage, Min.
- 4) Jacket 0.040" Wall, Nom., PVC 0.327+/- 0.017
- a) Color(s) SLATE
- b) Jacket Separator Tissue Tape, 25% Overlap, Min.
- c) Print ALPHA WIRE-* P/N 86218CY 18C 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 8X Cable Diameter(static), 8X Cable Diameter(dynamic)
- 3) Pull Tension 64 Lbs, Maximum
- 4) Sunlight Resistance Yes

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Capacitance 32 pf/ft @1 kHz, Nominal Conductor to Conductor

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|-----------------------|-------------------------------------|
| 3) Ground Capacitance | 58 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.19 μ H/ft, Nominal |
| 5) Conductor DCR | 29 Ω /1000ft @20°C, Nominal |
| 6) OA Shield DCR | 3.1 Ω /1000ft @20°C, Nominal |

F. Other

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

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