

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 86305CY
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Issue: 8
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters

- | | | |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 5 X 1 COND | |
| a) Conductor | 22 (19/34) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.052 |
| (1) Color Code | Alpha Wire Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE	5	ORANGE
2	RED	4	GREEN		

- | | | |
|---------------------|--|----------------|
| 2) Cable Assembly | 5 Components Cabled | |
| a) Twists: | 8.0 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) Single Serve | TC, 90% Coverage, Min. | |
| 4) Jacket | 0.040" Wall, Nom., PVC | 0.247+/- 0.012 |
| a) Color(s) | GRAY | |
| b) Jacket Separator | Tissue Tape, 25% Overlap, Min. | |
| c) Print | ALPHA WIRE-* P/N 86305CY 5C 22 AWG
XTRAGUARD CONTINUOUS FLEX DATA CABLE XTREME
PERFORMANCE FOR XTREME ENVIRONMENTS -
(UL) 105C TYPE CM OR AWM 2661 105C 300V ---
LLXXXXXX CSA 105C TYPE CMG OR AWM IA/B IIA/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/STYLE10002 | 105°C / 300V |
| b) Overall | AWM/STYLE2661 | 105°C / 300V |
| | CM | 105°C |
| 2) CSA International | AWM-I-A/B-II-A/B | 105°C / 300V |
| | CMG | 105°C |
| | FT4 | |

- 3) 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.

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

- 5) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. 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 | 35 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------|---|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 38 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 68 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.17 µH/ft, Nominal |
| 5) Conductor DCR | 15.4 Ω/1000ft @20°C, Nominal |

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6) OA Shield DCR 4.8 Ω /1000ft @20°C, Nominal

E. Other

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

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