

**ALPHA WIRE COMPANY  
CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 669292**  
**Page 1 of 2 Pages**

**Issue: 1**  
**Issue Date: 2/1/2008**  
**Effective Date: 2/1/2008**

**A. Construction**

**Diameters**

- |                |                       |       |
|----------------|-----------------------|-------|
| 1) Component 1 | 7 X 1 COND            |       |
| a) Conductor   | 16 (26/30) AWG BC     |       |
| b) Insulation  | 0.022" Wall, Nom. PVC | 0.104 |
| (1) Color(s)   |                       |       |

Cond	Color	Cond	Color	Cond	Color
1	GREEN	4	RED	7	BLUE/WHITE
2	WHITE	5	YELLOW		
3	BLACK	6	VIOLET		

- |                     |  |                |
|---------------------|--|----------------|
| 2) Cable Assembly   | 7 Components Cabled  |                |
| a) Twists:          | 3.2 Twists/foot (min)  |                |
| 3) Jacket           | 0.035" Wall, Nom.,PVC, Oil Resistant   | 0.390+/- 0.020 |
| a) Color(s)         | GRAY   |                |
| b) Jacket Separator | Tissue Tape, 25% Overlap, Min.   |                |
| c) Print            | ALPHA WIRE-* P/N 669292 7C 16 AWG<br>XTRAGUARD FLEXIBLE CONTROL CABLE XTREME<br>PERFORMANCE FOR XTREME ENVIRONMENTS - RU AWM 2587<br>--- LLXXXXXX CSA AWM IA/B IIA/B FT1 90C 600V<br>CE ROHS <SEQ FOOTAGE><br>* = Factory Code |                |
- [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Industry Approvals**

- |                                   |  |             |
|-----------------------------------|--|-------------|
| 1) UL                             | AWM/STYLE2587  | 90°C / 600V |
| 2) CSA International              | AWM-I-A/B-II-A/B   | 90°C / 600V |
|                                   | FT1  |             |
| 3) Other                          | VDE 0472, Section 803 Oil Test   |             |
| 4) 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. |             |
| 5) California Proposition 65:     | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.   |             |
| 6) CE:                            | LVD 73/23/EEC Amendment 93/68/EEC  |             |

**C. Physical & Mechanical Properties**

- |                      |   |
|----------------------|---|
| 1) Temperature Range | -40 to 90°C(static), -5 to 90°C (dynamic)             |
| 2) Bend Radius       | 5X Cable Diameter(static), 5X Cable Diameter(dynamic) |
| 3) Pull Tension      | 143 Lbs, Maximum                                      |

**D. Electrical Properties**

- |                   |   |
|-------------------|---|
|                   | (For Engineering purposes only)                 |
| 1) Voltage Rating | 600 V <sub>RMS</sub>                            |
| 2) Capacitance    | 33 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance     | 0.18 µH/ft, Nominal                             |
| 4) Conductor DCR  | 4.1 Ω/1000ft @20°C, Nominal                     |

**E. Other**

- |              |                        |
|--------------|------------------------|
| 1) Packaging | a) Bulk(Made-to-order) |
|--------------|------------------------|

**This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.**

Accepted By:	Date:
Company:	Title:

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