

**ALPHA WIRE COMPANY  
CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 669291**  
**Page 1 of 2 Pages**

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

**A. Construction**

**Diameters**

- 1) Component 1 4 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	GRAY	3	RED/WHITE		
2	ORANGE	4	RED/BLACK		

- 2) Cable Assembly 4 Components Cabled  
 a) Twists: 4.0 Twists/foot (min)  
 3) Jacket 0.035" Wall, Nom.,PVC, Oil Resistant 0.328+/- 0.017  
 a) Color(s) GRAY  
 b) Jacket Separator Tissue Tape, 25% Overlap, Min.  
 c) Print ALPHA WIRE-\* P/N 669291 4C 16 AWG  
 XTRAGUARD FLEXIBLE CONTROL CABLE XTREME  
 PERFORMANCE FOR XTREME ENVIRONMENTS - RU AWM 2587  
 --- LLXXXXXX CSA AWM IA/B IIA/B FT1 90C 600V  
 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 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 82 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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