

# ALPHA WIRE COMPANY

## CUSTOMER PRODUCT SPECIFICATION

**Part Number: 65402**  
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**Issue: 7**  
**Issue Date: 2/7/2007**  
**Effective Date: 2/16/2007**

### A. Construction

### Diameters (In)

- 1) Component 1 2 X 1 COND  
 a) Conductor 14 (41/30) AWG BC  
 b) Insulation 0.022" Wall, Nom. PVC 0.118  
 (1) Print NUMBER ONLY UNDERLINED - ALTERNATE INVERTED  
 REPEAT AT 1 INCH SPACING(CTR. TO CTR.)  
 (2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK #1	2	BLACK #2		

- 2) Cable Assembly 2 Components Cabled  
 a) Twists: 4.4 Twists/foot (min)  
 3) Jacket 0.044" Wall, Nom.,PVC, Oil Resistant 0.330+/- 0.015  
 a) Color(s) SLATE  
 b) Jacket Separator Tissue Tape, 25% Overlap, Min.  
 c) Print ALPHA WIRE-\* P/N 65402 2C 14 AWG  
 XTRAGUARD FLEXIBLE CONTROL CABLE XTREME  
 PERFORMANCE FOR XTREME ENVIRONMENTS - RU AWM 2587  
 --- LLXXXXXX CSA AWM IIA/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/STYLE 2587 90°C / 600 VRMS  
 2) CSA International AWM I/II A/B 90°C / 600 VRMS  
 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. Consult Alpha Wire's web site for compliance Date of Manufacture.

- 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 64 Lbs, Maximum

### D. Electrical Properties

- (For Engineering purposes only)  
 1) Voltage Rating 600 VRMS  
 2) Capacitance 35 pf/ft @1 kHz, Nominal Conductor to Conductor  
 3) Inductance 0.17 µH/ft, Nominal  
 4) Conductor DCR 2.6 Ω/1000ft @20°C, Nominal

### E. Other

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

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