

# ALPHA WIRE COMPANY

## CUSTOMER PRODUCT SPECIFICATION

**Part Number: 65607**  
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**Issue: 7**  
**Issue Date: 2/7/2007**  
**Effective Date: 2/16/2007**

### A. Construction

### Diameters (In)

- 1) Component 1 7 X 1 COND
  - a) Conductor 16 (26/30) AWG BC
  - b) Insulation 0.022" Wall, Nom. PVC 0.104
  - (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	4	BLACK #4	7	YELLOW/GREEN
2	BLACK #2	5	BLACK #5		
3	BLACK #3	6	BLACK #6		

- 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) SLATE
  - b) Jacket Separator Tissue Tape, 25% Overlap, Min.
  - c) Print ALPHA WIRE-\* P/N 65607 7C 16 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 V<sub>RMS</sub>
- 2) CSA International AWM I/II A/B 90°C / 600 V<sub>RMS</sub>  
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 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) 1000 FT
  - b) 500 FT
  - c) 100 FT

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