

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 65805CY**  
**Page 1 of 1 Pages**

**Issue: 7**  
**Issue Date: 2/7/2007**  
**Effective Date: 2/16/2007**

**A. Construction**

**Diameters (In)**

- 1) Component 1 1 X 5 COND  
 a) Conductor 18 (16/30) AWG BC  
 b) Insulation 0.022" Wall, Nom. PVC 0.091  
 (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	3	BLACK #3	5	YELLOW/GREEN
2	BLACK #2	4	BLACK #4		

- c) Cabling 5 COND Cabled  
 (1) Twists: 4.0 Twists/foot (min)  
 d) Jacket 0.030" Wall, Nom.,PVC, Oil Resistant 0.316+/- 0.018  
 (1) Color(s) SLATE  
 (2) Jacket Separator Tissue Tape, 25% Overlap, Min.  
 2) Shield TC BRAID Shield,85% Coverage, Min.  
 3) Jacket 0.035" Wall, Nom.,PVC, Oil Resistant 0.414+/- 0.026  
 a) Color(s) SLATE  
 b) Jacket Separator Tissue Tape, 25% Overlap, Min.  
 c) Print ALPHA WIRE-\* P/N 65805CY 5C 18 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 72 Lbs, Maximum

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating 600 VRMS  
 2) Capacitance 44 pf/ft @1 kHz, Nominal Conductor to Conductor  
 3) Ground Capacitance 79 pf/ft @1 kHz, Nominal  
 4) Inductance 0.19 µH/ft, Nominal  
 5) Conductor DCR 6.6 Ω/1000ft @20°C, Nominal  
 6) OA Shield DCR 2.47 Ω/1000ft @20°C, Nominal

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 65805CY**  
**Page 2 of 1 Pages**

**Issue: 7**  
**Issue Date: 2/7/2007**  
**Effective Date: 2/16/2007**

**E. Other**

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

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.