

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 65803CY
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Issue: 7
Issue Date: 2/7/2007
Effective Date: 2/16/2007

A. Construction

Diameters (In)

- 1) Component 1 1 X 3 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	2	BLACK #2	3	YELLOW/GREEN

- c) Cabling 3 COND Cabled
 (1) Twists: 5.3 Twists/foot (min)
 d) Jacket 0.030" Wall, Nom.,PVC, Oil Resistant 0.262+/- 0.015
 (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 0.360+/- 0.023
 a) Color(s) SLATE
 b) Jacket Separator Tissue Tape, 25% Overlap, Min.
 c) Print ALPHA WIRE-* P/N 65803CY 3C 18 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/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 44 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 3.7 Ω/1000ft @20°C, Nominal

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E. Other

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

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