

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 85805
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Issue: 7
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A. Construction

Diameters

- 1) Component 1 5 X 1 COND
 a) Conductor 18 (105(7x15)/38) AWG BC
 b) Insulation 0.022" Wall, Nom. PVC 0.096
 (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	RED #1	3	RED #3	5	YELLOW/GREEN/GREEN
2	RED #2	4	RED #4		

- 2) Cable Assembly 5 Components Cabled
 a) Twists: 4.8 Twists/foot (min)
 b) Core Wrap REMAY Tape, 25% Overlap, Min.
 3) Jacket 0.035" Wall, Nom.,PVC, Oil Resistant 0.355+/- 0.018
 a) Color(s) BLACK
 b) Jacket Separator Tissue Tape, 25% Overlap, Min.
 c) Print ALPHA WIRE-* P/N 85805 5C 18 AWG
 XTRAGUARD CONTINUOUS FLEX 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
 a) Component 1 AWM/STYLE10012 90°C / 600V
 b) Overall 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. 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 8X Cable Diameter(static), 8X Cable Diameter(dynamic)
 3) Pull Tension 66 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
 1) Voltage Rating 600 V_{RMS}
 2) Capacitance 30 pf/ft @1 kHz, Nominal Conductor to Conductor
 3) Inductance 0.19 µH/ft, Nominal
 4) Conductor DCR 6.6 Ω/1000ft @20°C, Nominal

E. Other

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

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