ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 65812		**Issue:**	**7**
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		Effective Date:	**2/16/2007**

A. Construction **Diameters (In)**

1) Component 1 — 12 X 1 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	5	BLACK #5	9	BLACK #9
2	BLACK #2	6	BLACK #6	10	BLACK #10
3	BLACK #3	7	BLACK #7	11	BLACK #11
4	BLACK #4	8	BLACK #8	12	YELLOW/GREEN

2) Cable Assembly — 12 Components Cabled
   a) Twists: — 2.7 Twists/foot (min)
3) Jacket — 0.043" Wall, Nom.,PVC, Oil Resistant — 0.470+/- 0.025
   a) Color(s) — SLATE
   b) Jacket Separator — Tissue Tape, 25% Overlap, Min.
   c) Print — ALPHA WIRE-* P/N 65812 12C 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 V_{RMS}
2) CSA International — AWM I/II A/B FT1 — 90°C / 600 V_{RMS}
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 — 151 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 — 6.7 Ω/1000ft @20°C, Nominal

E. Other

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

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