

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

**Part Number: 65012**  
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**Issue: 7**  
**Issue Date: 2/7/2007**  
**Effective Date: 2/16/2007**

**A. Construction**

**Diameters (In)**

- 1) Component 1 12 X 1 COND
- a) Conductor 20 (10/30) AWG BC
- b) Insulation 0.022" Wall, Nom. PVC 0.081
- (1) Print NUMBER ONLY UNDERLINED - ALTERNATE INVERTED
- (2) Color(s) REPEAT AT 1 INCH SPACING(CTR. TO CTR.)

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: 3.0 Twists/foot (min)
- 3) Jacket 0.045" Wall, Nom.,PVC, Oil Resistant 0.433+/- 0.025
- a) Color(s) SLATE
- b) Jacket Separator Tissue Tape, 25% Overlap, Min.
- c) Print ALPHA WIRE-\* P/N 65012 12C 20 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<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 94 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 600 V<sub>RMS</sub>
- 2) Capacitance 27 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.21 µH/ft, Nominal
- 4) Conductor DCR 10.8 Ω/1000ft @20°C, Nominal

**E. Other**

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

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