

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

**Part Number: 65004**  
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**Issue: 7**  
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**A. Construction**

**Diameters (In)**

- 1) Component 1 4 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  
REPEAT AT 1 INCH SPACING(CTR. TO CTR.)  
(2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK #1	3	BLACK #3		
2	BLACK #2	4	YELLOW/GREEN		

- 2) Cable Assembly 4 Components Cabled  
a) Twists: 5.3 Twists/foot (min)  
3) Jacket 0.035" Wall, Nom., PVC, Oil Resistant 0.272+/- 0.016  
a) Color(s) SLATE  
b) Jacket Separator Tissue Tape, 25% Overlap, Min.  
c) Print ALPHA WIRE-\* P/N 65004 4C 20 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 31 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)  
1) Voltage Rating 600 VRMS  
2) Capacitance 27 pf/ft @1 kHz, Nominal Conductor to Conductor  
3) Inductance 0.21 µH/ft, Nominal  
4) Conductor DCR 10.7 Ω/1000ft @20°C, Nominal

**E. Other**

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

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