

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

**Part Number: 5204C**  
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**Issue: 10**  
**Issue Date: 1/29/2008**  
**Effective Date: 3/1/2008**

**A. Construction**

**Diameters (In)**

- 1) Component 1 19 X 1 COND
- a) Conductor 24 (7/32) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.044
- (1) Color Code Alpha Wire Company Color Code E

Cond	Color	Cond	Color	Cond	Color
1	BLACK	8	VIOLET	15	WHITE/YELLOW
2	BROWN	9	SLATE	16	WHITE/GREEN
3	RED	10	WHITE	17	WHITE/BLUE
4	ORANGE	11	WHITE/BLACK	18	WHITE/VIOLET
5	YELLOW	12	WHITE/BROWN	19	WHITE/SLATE
6	GREEN	13	WHITE/RED		
7	BLUE	14	WHITE/ORANGE		

- 2) Cable Assembly 19 Components Cabled
- a) Twists: 4.8 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Jacket 0.063" Wall, Nom., PVC 0.350 (0.370 Max.)
- a) Color(s) Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White
- b) Ripcord 1 End 810 Denier Nylon
- c) Print ALPHA WIRE-\* P/N 5204C 19C 24 AWG

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - 105C (UL) TYPE CM OR AWM 2343 VW-1  
--- LLXXXXXX CSA 105C TYPE CMG FT4 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/STYLE 10002 105°C / 300 VRMS
  - b) Overall AWM/STYLE 2343 80°C
  - CM 105°C
  - VW-1
- 2) CSA International CMG 105°C
- FT4
- 3) 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.

- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
- 5) CE: LVD 73/23/EEC Amendment 93/68/EEC

**C. Physical & Mechanical Properties**

- 1) Temperature Range -20 to 105°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 67 Lbs, Maximum
- 4) Sunlight Resistance Yes

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating 300 VRMS
- 2) Capacitance 21.8 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.19 µH/ft, Nominal
- 4) Conductor DCR 26 Ω/1000ft @20°C, Nominal

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**E. Other**

- 1) Packaging
  - a) 1000 FT
  - b) 500 FT
  - c) 100 FT
  - d) Bulk(Made-to-order)

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