

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5020/20C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters (In)

- 1) Component 1 20 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 | 20 | WHITE/BLACK/BROWN |
| 7 | BLUE | 14 | WHITE/ORANGE | | |

- 2) Cable Assembly 20 Components Cabled
- a) Twists: 4.4 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Jacket 0.032" Wall, Nom.,PVC 0.300 (0.318 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 5020/20C 20C 24 AWG

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - 105C (UL) TYPE CM OR AWM 2464 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 2464 80°C / 300 VRMS

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 70 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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