

ALPHA WIRE COMPANY

CUSTOMER PRODUCT SPECIFICATION

Part Number: 5286C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters (In)

- 1) Component 1 6 X 1 PAIR
- a) Conductor 20 (7/28) AWG TC
- b) Insulation 0.016" Wall, Nom. PVC
- (1) Color Code Alpha Wire Company Color Code A

0.070

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE	6	BLACK-YELLOW

- c) Pair 2/Cond Cabled Together
- (1) Twists: 6.0 Twists/foot (min)
- 2) Cable Assembly 6 Components Cabled
- a) Twists: 3.0 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Jacket 0.032" Wall, Nom., PVC
- 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 5286C 6PR 20 AWG

0.415 (0.433 Max.)

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 1569 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 105 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 VRMS
- 2) Mutual Capacitance 30 pf/ft @1 kHz, Nominal
- 3) Inductance 0.19 µH/ft, Nominal
- 4) Conductor DCR 10.4 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging

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

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