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

Part Number: 5160/40C 10 Issue:

Page 1 of 2 Pages **Issue Date:** 1/29/2008 **Effective Date:** 3/1/2008

A. Construction **Diameters** 

1) Component 1 40 X 1 COND 20 (7/28) AWG TC Conductor

Insulation 0.016" Wall, Nom. PVC 0.070

(1) Color Code Alpha Wire Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	15	RED/BLACK	29	WHITE/BLACK/BROWN
2	RED	16	WHITE/BLACK	30	WHITE/BLACK/ORANGE
3	WHITE	17	WHITE/RED	31	WHITE/BLACK/GRAY
4	GREEN	18	WHITE/GREEN	32	WHITE/BLACK/VIOLET
5	ORANGE	19	WHITE/YELLOW	33	WHITE/BLACK/BLACK
6	BLUE	20	WHITE/BLUE	34	WHITE/RED/BLACK
7	BROWN	21	WHITE/BROWN	35	WHITE/RED/RED
8	YELLOW	22	WHITE/ORANGE	36	WHITE/RED/GREEN
9	VIOLET	23	WHITE/GRAY	37	WHITE/RED/BLUE
10	GRAY	24	WHITE/VIOLET	38	WHITE/RED/BROWN
11	PINK	25	WHITE/BLACK/RED	39	WHITE/RED/VIOLET
12	TAN	26	WHITE/BLACK/GREEN	40	WHITE/GREEN/BLACK
13	RED/GREEN	27	WHITE/BLACK/YELLOW		
14	RED/YELLOW	28	WHITE/BLACK/BLUE		

40 Components Cabled 2) Cable Assembly 2.0 Twists/foot (min) a) Twists:

Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min. b)

Shield: A/P/A Tape, 25% Overlap, Min.

20 (7/28) AWG TC a) Drain Wire

b) Braid TC.70% Coverage, Min. Jacket 0.053" Wall. Nom..PVC

0.656 (0.683 Max.)

Color(s) Gray, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White a)

1 End 810 Denier Nylon Ripcord b)

Print ALPHA WIRE-\* P/N 5160/40C 40C 20 AWG

> XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - SHIELDED 105C (UL) TYPE CM OR AWM

2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4

ROHS <SEQ FOOTAGE> CE

\* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

## **B.** Industry Approvals

UL

AWM/STYLE1569 105°C / 300V Component 1 Overall AWM/STYLE2464 80°C / 300V b) CM 105°C

VW-1

**CMG** 105°C 2) CSA International

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.

California Proposition 65: The outer surface materials used in the manufacture of this part meet the

requirements of California Proposition 65.

LVD 73/23/EEC Amendment 93/68/EEC

## C. Physical & Mechanical Properties

1) Temperature Range -20 to 105°C Bend Radius 10X Cable Diameter 2) **Pull Tension** 373 Lbs, Maximum 3)

Sunlight Resistance Yes

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D. Electrical Properties

1) Voltage Rating

2) Capacitance

3) Ground Capacitance4) Inductance

5) Conductor DCR

6) OA Shield DCR

E. Other

1) Packaging

a) 1000 FT

b) 500 FT

c) 100 FT

d) Bulk(Made-to-order)

(For Engineering purposes only)

 $300 V_{RMS}$ 

44 pf/ft @1 kHz, Nominal Conductor to Conductor

79 pf/ft @1 kHz, Nominal

0.19 µH/ft, Nominal

10.4  $\Omega$ /1000ft @20°C, Nominal 1.14  $\Omega$ /1000ft @20°C, Nominal

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