ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 5120/50C Issue: 10

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

A. Construction <u>Diameters (In)</u>

1) Component 1 50 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	18	WHITE/VIOLET	35	WHITE/RED/ORANGE
2	BROWN	19	WHITE/SLATE	36	WHITE/RED/YELLOW
3	RED	20	WHITE/BLACK/BROWN	37	WHITE/RED/GREEN
4	ORANGE	21	WHITE/BLACK/RED	38	WHITE/RED/BLUE
5	YELLOW	22	WHITE/BLACK/ORANGE	39	WHITE/RED/VIOLET
6	GREEN	23	WHITE/BLACK/YELLOW	40	WHITE/RED/SLATE
7	BLUE	24	WHITE/BLACK/GREEN	41	WHITE/ORANGE/YELLOW
8	VIOLET	25	WHITE/BLACK/BLUE	42	WHITE/ORANGE/GREEN
9	SLATE	26	WHITE/BLACK/VIOLET	43	WHITE/ORANGE/BLUE
10	WHITE	27	WHITE/BLACK/SLATE	44	WHITE/ORANGE/VIOLET
11	WHITE/BLACK	28	WHITE/BROWN/RED	45	WHITE/ORANGE/SLATE
12	WHITE/BROWN	29	WHITE/BROWN/ORANGE	46	WHITE/YELLOW/GREEN
13	WHITE/RED	30	WHITE/BROWN/YELLOW	47	WHITE/YELLOW/BLUE
14	WHITE/ORANGE	31	WHITE/BROWN/GREEN	48	WHITE/YELLOW/VIOLET
15	WHITE/YELLOW	32	WHITE/BROWN/BLUE	49	WHITE/YELLOW/SLATE
16	WHITE/GREEN	33	WHITE/BROWN/VIOLET	50	WHITE/GREEN/BLUE
17	WHITE/BLUE	34	WHITE/BROWN/SLATE		

Cable Assembly 50 Components Cabled 2.8 Twists/foot (min)

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

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

a) Drain Wire 24 (7/32) AWG TC
b) Braid TC,70% Coverage, Min.
Jacket 0.032" Wall, Nom..PVC

0.032" Wall, Nom.,PVC 0.457 (0.482 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 5120/50C 50C 24 AWG

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - SHIELDED 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 V_{RMS}
b) Overall AWM/STYLE 2464 80°C / 300 V_{RMS}
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

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C. Physical & Mechanical Properties

1) Temperature Range -20 to 105°C

2) Bend Radius 10X Cable Diameter 3) Pull Tension 186 Lbs, Maximum

4) Sunlight Resistance Yes

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

2) Capacitance 32 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance
 4) Inductance
 58 pf/ft @1 kHz, Nominal
 0.19 μH/ft, Nominal
 5) Conductor DCR
 26 Ω/1000ft @20°C, Nominal
 6) OA Shield DCR
 2.7 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

b) 500 FT c) 100 FT

c) 100 FTd) Bulk(Made-to-order)

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