

**ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 5110/60C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters (In)

- 1) Component 1 60 X 1 COND
- a) Conductor 22 (7/30) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.050
- (1) Color Code Alpha Wire Company Color Code E

Cond	Color	Cond	Color	Cond	Color
1	BLACK	21	WHITE/BLACK/RED	41	WHITE/ORANGE/YELLOW
2	BROWN	22	WHITE/BLACK/ORANGE	42	WHITE/ORANGE/GREEN
3	RED	23	WHITE/BLACK/YELLOW	43	WHITE/ORANGE/BLUE
4	ORANGE	24	WHITE/BLACK/GREEN	44	WHITE/ORANGE/VIOLET
5	YELLOW	25	WHITE/BLACK/BLUE	45	WHITE/ORANGE/SLATE
6	GREEN	26	WHITE/BLACK/VIOLET	46	WHITE/YELLOW/GREEN
7	BLUE	27	WHITE/BLACK/SLATE	47	WHITE/YELLOW/BLUE
8	VIOLET	28	WHITE/BROWN/RED	48	WHITE/YELLOW/VIOLET
9	SLATE	29	WHITE/BROWN/ORANGE	49	WHITE/YELLOW/SLATE
10	WHITE	30	WHITE/BROWN/YELLOW	50	WHITE/GREEN/BLUE
11	WHITE/BLACK	31	WHITE/BROWN/GREEN	51	WHITE/GREEN/VIOLET
12	WHITE/BROWN	32	WHITE/BROWN/BLUE	52	WHITE/GREEN/SLATE
13	WHITE/RED	33	WHITE/BROWN/VIOLET	53	WHITE/BLUE/VIOLET
14	WHITE/ORANGE	34	WHITE/BROWN/SLATE	54	WHITE/BLUE/SLATE
15	WHITE/YELLOW	35	WHITE/RED/ORANGE	55	WHITE/VIOLET/SLATE
16	WHITE/GREEN	36	WHITE/RED/YELLOW	56	WHITE/BLACK/BROWN/RED
17	WHITE/BLUE	37	WHITE/RED/GREEN	57	WHITE/BLACK/BROWN/ORANGE
18	WHITE/VIOLET	38	WHITE/RED/BLUE	58	WHITE/BLACK/BROWN/YELLOW
19	WHITE/SLATE	39	WHITE/RED/VIOLET	59	WHITE/BLACK/BROWN/GREEN
20	WHITE/BLACK/BROWN	40	WHITE/RED/SLATE	60	WHITE/BLACK/BROWN/BLUE

- 2) Cable Assembly 60 Components Cabled
- a) Twists: 2.3 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Shield: A/P/A Tape, 25% Overlap, Min.
- a) Drain Wire 22 (7/30) AWG TC
- b) Braid TC, 70% Coverage, Min.
- 4) Jacket 0.053" Wall, Nom., PVC 0.588 (0.618 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 5110/60C 60C 22 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 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

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- requirements of California Proposition 65.
LVD 73/23/EEC Amendment 93/68/EEC
- 5) CE:
- C. Physical & Mechanical Properties**
- 1) Temperature Range -20 to 105°C
 - 2) Bend Radius 10X Cable Diameter
 - 3) Pull Tension 344 Lbs, Maximum
 - 4) Sunlight Resistance Yes
- D. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
 - 2) Capacitance 36 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 65 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.18 µH/ft, Nominal
 - 5) Conductor DCR 16.7 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR 1.85 Ω/1000ft @20°C, Nominal
- E. Other**
- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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