

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5110/60C
Page 1 of 1 Pages

Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

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

Diameters (In)

0.050

| 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
 a) Twists: 60 Components Cabled
 b) Core Wrap 2.3 Twists/foot (min)
 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 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

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5110/60C
Page 2 of 1 Pages

Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

requirements of California Proposition 65.
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 | 344 Lbs, Maximum |
| 4) | Sunlight Resistance | Yes |

D. Electrical Properties

| | | |
|----|--------------------|---|
| 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) | |

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.