

ALPHA WIRE COMPANY

CUSTOMER PRODUCT SPECIFICATION

Part Number: 5110/30C
Page 1 of 2 Pages

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

A. Construction

Diameters

- 1) Component 1 30 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 Color Code E

| Cond | Color | Cond | Color | Cond | Color |
|------|--------|------|-------------------|------|--------------------|
| 1 | BLACK | 11 | WHITE/BLACK | 21 | WHITE/BLACK/RED |
| 2 | BROWN | 12 | WHITE/BROWN | 22 | WHITE/BLACK/ORANGE |
| 3 | RED | 13 | WHITE/RED | 23 | WHITE/BLACK/YELLOW |
| 4 | ORANGE | 14 | WHITE/ORANGE | 24 | WHITE/BLACK/GREEN |
| 5 | YELLOW | 15 | WHITE/YELLOW | 25 | WHITE/BLACK/BLUE |
| 6 | GREEN | 16 | WHITE/GREEN | 26 | WHITE/BLACK/VIOLET |
| 7 | BLUE | 17 | WHITE/BLUE | 27 | WHITE/BLACK/GRAY |
| 8 | VIOLET | 18 | WHITE/VIOLET | 28 | WHITE/BROWN/RED |
| 9 | GRAY | 19 | WHITE/GRAY | 29 | WHITE/BROWN/ORANGE |
| 10 | WHITE | 20 | WHITE/BLACK/BROWN | 30 | WHITE/BROWN/YELLOW |

- 2) Cable Assembly 30 Components Cabled
- a) Twists: 3.2 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 0.032" Wall, Nom., PVC 0.417 (0.438 Max.)
- a) Color(s) Gray, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White
- b) Ripcord 1 End 810 Denier Nylon
- c) Print ALPHA WIRE-* P/N 5110/30C 30C 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/STYLE10002 105°C / 300V
 - b) Overall AWM/STYLE2464 80°C / 300V
 - 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 177 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Capacitance 36 pf/ft @1 kHz, Nominal Conductor to Conductor

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|-----------------------|--------------------------------------|
| 3) Ground Capacitance | 65 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.18 μ H/ft, Nominal |
| 5) Conductor DCR | 16.6 Ω /1000ft @20°C, Nominal |
| 6) OA Shield DCR | 2.4 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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