

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

**Part Number: 5010/60C**  
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**Issue: 10**  
**Issue Date: 1/29/2008**  
**Effective Date: 3/1/2008**

**A. Construction**

**Diameters**

- |                |                                   |       |
|----------------|-----------------------------------|-------|
| 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 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/GRAY
6	GREEN	26	WHITE/BLACK/VIOLET	46	WHITE/YELLOW/GREEN
7	BLUE	27	WHITE/BLACK/GRAY	47	WHITE/YELLOW/BLUE
8	VIOLET	28	WHITE/BROWN/RED	48	WHITE/YELLOW/VIOLET
9	GRAY	29	WHITE/BROWN/ORANGE	49	WHITE/YELLOW/GRAY
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/GRAY
13	WHITE/RED	33	WHITE/BROWN/VIOLET	53	WHITE/BLUE/VIOLET
14	WHITE/ORANGE	34	WHITE/BROWN/GRAY	54	WHITE/BLUE/GRAY
15	WHITE/YELLOW	35	WHITE/RED/ORANGE	55	WHITE/VIOLET/GRAY
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/GRAY	39	WHITE/RED/VIOLET	59	WHITE/BLACK/BROWN/GREEN
20	WHITE/BLACK/BROWN	40	WHITE/RED/GRAY	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) Jacket         | 0.032" Wall, Nom., PVC  | 0.518 (0.545 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 5010/60C 60C 22 AWG<br>XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME<br>ENVIRONMENTS - 105C (UL) TYPE CM OR AWM 2464 VW-1<br>--- LLXXXXXX CSA 105C TYPE CMG FT4 CE<br>ROHS <SEQ FOOTAGE><br>* = 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      | 330 Lbs, Maximum   |

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- 4) Sunlight Resistance                      Yes
- D. Electrical Properties**                      (For Engineering purposes only)
- 1) Voltage Rating                              300 V<sub>RMS</sub>
- 2) Capacitance                                 23.5 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance                                  0.18 µH/ft, Nominal
- 4) Conductor DCR                              16.7 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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