

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5390/60C
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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 | 18 (16/30) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.079 |
| (1) Color Code | Alpha Wire Company Color Code D | |

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

- | | |
|-------------------|--|
| 2) Cable Assembly | 60 Components Cabled |
| a) Twists: | 1.4 Twists/foot (min) |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. |
| a) Foil Direction | Foil Facing In |
| b) Drain Wire | 18 (16/30) AWG TC |
| 4) Jacket | 0.083" Wall, Nom., PVC 0.885 (0.918 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 5390/60C 60C 18 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 1569 | 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.

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|-------------------------------|---|
| 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 767 Lbs, Maximum
 - 4) Sunlight Resistance Yes
- D. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
 - 2) Capacitance 51 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 92 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.18 μ H/ft, Nominal
 - 5) Conductor DCR 7.3 Ω /1000ft @20°C, Nominal
 - 6) OA Shield DCR 4.8 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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