

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

**Part Number: 5073/1C**  
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**Issue: 10**  
**Issue Date: 1/29/2008**  
**Effective Date: 3/1/2008**

**A. Construction**

**Diameters**

- |                |                       |       |
|----------------|-----------------------|-------|
| 1) Component 1 | 3 X 1 COND            |       |
| a) Conductor   | 16 (19/.0117) AWG TC  |       |
| b) Insulation  | 0.016" Wall, Nom. PVC | 0.091 |
| (1) Color(s)   |                       |       |

Cond	Color	Cond	Color	Cond	Color
1	BROWN	2	BLUE	3	GREEN/YELLOW

- |                   |  |                    |
|-------------------|--|--------------------|
| 2) Cable Assembly | 3 Components Cabled  |                    |
| a) Twists:        | 5.3 Twists/foot (min)  |                    |
| b) Core Wrap      | Nonwoven Polyester Tape, 25% Overlap, Min.                       |                    |
| 3) Jacket         | 0.032" Wall, Nom.,PVC  | 0.264 (0.275 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 5073/1C 3C 16 AWG                               |                    |

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - 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/STYLE1569 | 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        | 61 Lbs, Maximum    |
| 4) Sunlight Resistance | Yes                |

**D. Electrical Properties**

(For Engineering purposes only)

- |                   |   |
|-------------------|---|
| 1) Voltage Rating | 300 V <sub>RMS</sub>                            |
| 2) Capacitance    | 36 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance     | 0.17 µH/ft, Nominal                             |
| 4) Conductor DCR  | 4.4 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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