

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

**Part Number: 3488C**  
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**Issue: 7**  
**Issue Date: 5/20/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- |    |                |                                       |       |
|----|----------------|---------------------------------------|-------|
| 1) | Component 1    | 8 X 1 COND                            |       |
|    | a) Conductor   | 28 (7/36) AWG TC                      |       |
|    | b) Insulation  | 0.013" Wall, Nom. Polypropylene, Foam | 0.041 |
|    | (1) Color Code | Alpha Wire Company Color Code F       |       |
- 
- | Cond | Color | Cond | Color  | Cond | Color       |
|------|-------|------|--------|------|-------------|
| 1    | BLACK | 4    | GREEN  | 7    | WHITE/BLACK |
| 2    | WHITE | 5    | ORANGE | 8    | RED/BLACK   |
| 3    | RED   | 6    | BLUE   |      |             |
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- |    |                   |  |                    |
|----|-------------------|--|--------------------|
| 2) | Cable Assembly    | 8 Components Cabled  |                    |
|    | a) Twists:        | 6.0 Twists/foot (min)  |                    |
| 3) | Shield:           | Alum/Mylar Tape, 25% Overlap, Min.   |                    |
|    | a) Foil Direction | Foil Facing Out  |                    |
|    | b) Drain Wire     | 28 (7/36) AWG TC   |                    |
|    | c) Braid          | TC, 65% Coverage, Min.   |                    |
| 4) | Jacket            | 0.035" Wall, Nom., PVC   | 0.232 (0.245 Max.) |
|    | a) Color(s)       | SLATE  |                    |
|    | b) Print          | ALPHA WIRE-* P/N 3488C 8C 28 AWG<br>SHIELDED 75C (UL) TYPE CL2 OR AWM 2919 LOW VOLTAGE<br>COMPUTER CABLE --- LLXXXXXX CSA TYPE CMG FT4<br>ROHS<br>* = Factory Code |                    |

*[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Industry Approvals**

- |    |                                |  |                                    |
|----|--------------------------------|--|------------------------------------|
| 1) | UL                             | AWM/STYLE 2919<br>CL2<br>VW-1  | 80°C / 30 V <sub>RMS</sub><br>75°C |
| 2) | CSA International              | CMG<br>FT4   | 60°C                               |
| 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.   |                                    |

**C. Physical & Mechanical Properties**

- |    |                   |                    |
|----|-------------------|--------------------|
| 1) | Temperature Range | -20 to 80°C        |
| 2) | Bend Radius       | 10X Cable Diameter |
| 3) | Pull Tension      | 15 Lbs, Maximum    |

**D. Electrical Properties**

- |                                 |                    |                             |
|---------------------------------|--------------------|-----------------------------|
| (For Engineering purposes only) |                    |                             |
| 1)                              | Voltage Rating     | 300 V <sub>RMS</sub>        |
| 2)                              | Inductance         | 0.24 µH/ft, Nominal         |
| 3)                              | Mutual Capacitance | 12 pf/ft @1 kHz, Nominal    |
| 4)                              | Ground Capacitance | 20 pf/ft @1 kHz, Nominal    |
| 5)                              | Conductor DCR      | 66 Ω/1000ft @20°C, Nominal  |
| 6)                              | OA Shield DCR      | 6.4 Ω/1000ft @20°C, Nominal |

**E. Other**

- |    |            |
|----|------------|
| 1) | Packaging  |
|    | a) 1000 FT |

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