

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

Part Number: 3466C  
Page 1 of 2 Pages

Issue: 6  
Issue Date: 5/20/2005  
Effective Date: 8/1/2005

**A. Construction**

Diameters

- |                |                                   |       |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 6 X 1 COND                        |       |
| a) Conductor   | 28 (7/36) AWG TC                  |       |
| b) Insulation  | 0.010" Wall, Nom. PVC, Semi Rigid | 0.035 |
| (1) Color Code | Alpha Wire Color Code D           |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE	5	ORANGE
2	RED	4	GREEN	6	BLUE

- |                   |   |                    |
|-------------------|---|--------------------|
| 2) Cable Assembly | 6 Components Cabled   |                    |
| a) Twists:        | 8.0 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  | 0.202 (0.214 Max.) |
| a) Color(s)       | GRAY  |                    |
| b) Print          | ALPHA WIRE-* P/N 3466C 6/C 28 AWG<br>SHIELDED 75C (UL) TYPE CL2 OR AWM 2464 ---<br>LLXXXXXX CSA TYPE CMG FT4 ROHS<br>* = Factory Code |                    |

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

**B. Industry Approvals**

- |                                   |  |             |
|-----------------------------------|--|-------------|
| 1) UL                             | AWM/STYLE2464  | 80°C / 300V |
|                                   | CL2  | 75°C        |
|                                   | VW-1   |             |
| 2) CSA International              | CMG  | 60°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.   |             |

**C. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 80°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 12.3 Lbs, Maximum  |

**D. Electrical Properties**

- |                                 |   |
|---------------------------------|---|
| (For Engineering purposes only) |   |
| 1) Voltage Rating               | 300 V <sub>RMS</sub>                            |
| 2) Capacitance                  | 25 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance           | 45 pf/ft @1 kHz, Nominal                        |
| 4) Inductance                   | 0.22 µH/ft, Nominal                             |
| 5) Conductor DCR                | 66 Ω/1000ft @20°C, Nominal                      |
| 6) OA Shield DCR                | 6.2 Ω/1000ft @20°C, Nominal                     |

**E. Other**

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

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- b) 500 FT
- c) 100 FT

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