

# ALPHA WIRE COMPANY

## CUSTOMER PRODUCT SPECIFICATION

**Part Number: 2216C**  
**Page 1 of 1 Pages**

**Issue: 3**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

### A. Construction

### Diameters (In)

- |                |                                 |       |
|----------------|---------------------------------|-------|
| 1) Component 1 | 6 X 1 PAIR                      |       |
| a) Conductor   | 22 (7/30) AWG TC                |       |
| b) Insulation  | 0.010" Wall, Nom. PVC           | 0.050 |
| (1) Color Code | Alpha Wire Company Color Code A |       |

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE	6	BLACK-YELLOW

- |                   |  |                    |
|-------------------|--|--------------------|
| c) Pair           | 2/Cond Cabled Together   |                    |
| (1) Twists:       | 8.0 Twists/foot (min)  |                    |
| 2) Cable Assembly | 6 Components Cabled  |                    |
| a) Twists:        | 3.4 Twists/foot (min)  |                    |
| 3) Shield:        | Alum/Mylar Tape, 25% Overlap, Min.   |                    |
| a) Foil Direction | Foil Facing Out  |                    |
| b) Drain Wire     | 22 (7/30) AWG TC   |                    |
| 4) Jacket         | 0.032" Wall, Nom.,PVC  | 0.315 (0.332 Max.) |
| a) Color(s)       | SLATE  |                    |
| b) Print          | ALPHA WIRE-* P/N 2216C 6PR 22 AWG<br>SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX<br>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/STYLE 2576   | 80°C / 150 V <sub>RMS</sub> |
|                                   | CM   | 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      | 71 Lbs, Maximum    |

### D. Electrical Properties

(For Engineering purposes only)

- |                             |                              |
|-----------------------------|------------------------------|
| 1) Voltage Rating           | 150 V <sub>RMS</sub>         |
| 2) Mutual Capacitance       | 35 pf/ft @1 kHz, Nominal     |
| 3) Ground Capacitance       | 63 pf/ft @1 kHz, Nominal     |
| 4) Characteristic Impedance | 65 Ω                         |
| 5) Inductance               | 0.18 μH/ft, Nominal          |
| 6) Conductor DCR            | 16.6 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR            | 10.3 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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