

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

**Part Number: 6376**  
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**Issue: 3**  
**Issue Date: 5/23/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- |    |               |                                   |       |
|----|---------------|-----------------------------------|-------|
| 1) | Component 1   | 5 X 1 PAIR                        |       |
|    | a) Conductor  | 22 (7/30) AWG TC                  |       |
|    | b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.050 |
|    | (1) Color(s)  |                                   |       |

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

- |    |                   |   |                    |
|----|-------------------|---|--------------------|
| c) | Pair              | 2/Cond Cabled Together  |                    |
|    | (1) Twists:       | 8.0 Twists/foot (min)   |                    |
| 2) | Cable Assembly    | 5 Components Cabled   |                    |
|    | a) Twists:        | 3.7 Twists/foot (min)   |                    |
| 3) | Shield:           | Alum/Mylar Tape, 25% Overlap, Min.  |                    |
|    | a) Foil Direction | Foil Facing Out   |                    |
|    | b) Drain Wire     | 24 (7/32) AWG TC  |                    |
|    | c) Braid          | TC,65% Coverage, Min.   |                    |
| 4) | Jacket            | 0.032" Wall, Nom.,PVC   | 0.312 (0.328 Max.) |
|    | a) Color(s)       | SLATE   |                    |
|    | b) Print          | ALPHA WIRE-* P/N 6376 5PR 22 AWG<br>SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- 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 2464   | 80°C / 300 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      | 63 Lbs, Maximum    |

**D. Electrical Properties**

(For Engineering purposes only)

- |    |                          |                              |
|----|--------------------------|------------------------------|
| 1) | Voltage Rating           | 300 V <sub>RMS</sub>         |
| 2) | Characteristic Impedance | 70 Ω                         |
| 3) | Mutual Capacitance       | 35 pf/ft @1 kHz, Nominal     |
| 4) | Ground Capacitance       | 63 pf/ft @1 kHz, Nominal     |
| 5) | Conductor DCR            | 16.5 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR            | 3.4 Ω/1000ft @20°C, Nominal  |

**E. Other**

- |    |            |  |
|----|------------|--|
| 1) | Packaging  |  |
|    | a) 1000 FT |  |
|    | b) 500 FT  |  |
|    | c) 100 FT  |  |

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