

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

**Part Number: 6374**  
**Page 1 of 2 Pages**

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

**A. Construction**

**Diameters**

- |    |                |                                   |       |
|----|----------------|-----------------------------------|-------|
| 1) | Component 1    | 3 X 1 PAIR                        |       |
|    | a) Conductor   | 22 (7/30) AWG TC                  |       |
|    | b) Insulation  | 0.010" Wall, Nom. PVC, Semi Rigid | 0.050 |
|    | (1) Color Code | Alpha Wire Color Code A           |       |
- 
- | Pair | Color     | Pair | Color       | Pair | Color       |
|------|-----------|------|-------------|------|-------------|
| 1    | BLACK-RED | 2    | BLACK-WHITE | 3    | BLACK-GREEN |
- 
- |    |                   |   |                    |
|----|-------------------|---|--------------------|
| c) | Pair              | 2/Cond Cabled Together  |                    |
|    | (1) Twists:       | 8.0 Twists/foot (min)   |                    |
| 2) | Cable Assembly    | 3 Components Cabled   |                    |
|    | a) Twists:        | 4.8 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  | 0.267 (0.281 Max.) |
|    | a) Color(s)       | GRAY  |                    |
|    | b) Print          | ALPHA WIRE-* P/N 6374 3PR 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/STYLE2464<br>CM<br>VW-1  | 80°C / 300V<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      | 40 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            | 4.9 Ω/1000ft @20°C, Nominal  |

**E. Other**

- |    |           |
|----|-----------|
| 1) | Packaging |
|----|-----------|

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- a) 1000 FT
- b) 500 FT
- c) 100 FT

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