

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

**Part Number: 6362**  
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**Issue: 3**  
**Issue Date: 5/23/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- |    |                |                                   |       |
|----|----------------|-----------------------------------|-------|
| 1) | Component 1    | 2 X 1 PAIR                        |       |
|    | a) Conductor   | 24 (7/32) AWG TC                  |       |
|    | b) Insulation  | 0.010" Wall, Nom. PVC, Semi Rigid | 0.044 |
|    | (1) Color Code | Alpha Wire Company Color Code M   |       |
- 
- | Pair | Color                   | Pair | Color                       | Pair | Color |
|------|-------------------------|------|-----------------------------|------|-------|
| 1    | BLUE/WHITE - WHITE/BLUE | 2    | ORANGE/WHITE - WHITE/ORANGE |      |       |
- 
- |    |                   |   |                    |
|----|-------------------|---|--------------------|
| c) | Pair              | 2/Cond Cabled Together  |                    |
|    | (1) Twists:       | 9.6 Twists/foot (min)   |                    |
| 2) | Cable Assembly    | 2 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     | 24 (7/32) AWG TC  |                    |
|    | c) Braid          | TC,65% Coverage, Min.   |                    |
| 4) | Jacket            | 0.032" Wall, Nom.,PVC   | 0.234 (0.247 Max.) |
|    | a) Color(s)       | SLATE   |                    |
|    | b) Print          | ALPHA WIRE-* P/N 6362 2PR 24 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<br>CM<br>VW-1   | 80°C / 300 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      | 20.2 Lbs, Maximum  |

**D. Electrical Properties**

- |                                 |                          |                             |
|---------------------------------|--------------------------|-----------------------------|
| (For Engineering purposes only) |                          |                             |
| 1)                              | Voltage Rating           | 300 V <sub>RMS</sub>        |
| 2)                              | Characteristic Impedance | 75 Ω                        |
| 3)                              | Mutual Capacitance       | 30 pf/ft @1 kHz, Nominal    |
| 4)                              | Ground Capacitance       | 50 pf/ft @1 kHz, Nominal    |
| 5)                              | Conductor DCR            | 26 Ω/1000ft @20°C, Nominal  |
| 6)                              | OA Shield DCR            | 5.7 Ω/1000ft @20°C, Nominal |

**E. Other**

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

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