

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

**Part Number: 6365**  
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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   | 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     | 3    | GREEN/WHITE - WHITE/GREEN | 5    | SLATE/WHITE - WHITE/SLATE |
| 2    | ORANGE/WHITE - WHITE/ORANGE | 4    | BROWN/WHITE - WHITE/BROWN |      |                           |
- 
- |                   |   |                    |
|-------------------|---|--------------------|
| c) Pair           | 2/Cond Cabled Together  |                    |
| (1) Twists:       | 9.6 Twists/foot (min)   |                    |
| 2) Cable Assembly | 5 Components Cabled   |                    |
| a) Twists:        | 4.4 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   | 0.286 (0.302 Max.) |
| a) Color(s)       | SLATE   |                    |
| b) Print          | ALPHA WIRE-* P/N 6365 5PR 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   | 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      | 43 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            | 4 Ω/1000ft @20°C, Nominal  |

**E. Other**

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

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