

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

**Part Number: 6364**  
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**Issue: 3**  
**Issue Date: 5/23/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- 1) Component 1                                    4 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 |      |       |
| 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                                4 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                                    0.265 (0.280 Max.)
    - a) Color(s)                                        SLATE
    - b) Print    ALPHA WIRE-\* P/N 6364 4PR 24 AWG  
 SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- LLXXXXXX  
 CSA TYPE CMG FT4    ROHS  
 \* = 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                                 35 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                                4.8 Ω/1000ft @20°C, Nominal

**E. Other**

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

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