

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

Part Number: 6328  
Page 1 of 2 Pages

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

**A. Construction**

Diameters

- |    |               |                                   |       |
|----|---------------|-----------------------------------|-------|
| 1) | Component 1   | 4 X 1 COND                        |       |
|    | a) Conductor  | 24 (7/32) AWG TC                  |       |
|    | b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.044 |
|    | (1) Color(s)  |                                   |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	WHITE	4	GREEN		

- |    |                   |   |                    |
|----|-------------------|---|--------------------|
| 2) | Cable Assembly    | 4 Components Cabled   |                    |
|    | a) Twists:        | 8.0 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  | 0.196 (0.207 Max.) |
|    | a) Color(s)       | GRAY  |                    |
|    | b) Print          | ALPHA WIRE-* P/N 6328 4/C 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/STYLE2464  | 80°C / 300V |
|    |                                | 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      | 20.2 Lbs, Maximum  |

**D. Electrical Properties**

- |                                 |                    |   |
|---------------------------------|--------------------|---|
| (For Engineering purposes only) |                    |   |
| 1)                              | Voltage Rating     | 300 V <sub>RMS</sub>                            |
| 2)                              | Capacitance        | 32 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3)                              | Ground Capacitance | 58 pf/ft @1 kHz, Nominal                        |
| 4)                              | Inductance         | 0.19 µH/ft, Nominal                             |
| 5)                              | Conductor DCR      | 26 Ω/1000ft @20°C, Nominal                      |
| 6)                              | OA Shield DCR      | 5.4 Ω/1000ft @20°C, Nominal                     |

**E. Other**

- |    |            |
|----|------------|
| 1) | Packaging  |
|    | a) 1000 FT |

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- b) 500 FT
- c) 100 FT

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