

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

Part Number: 6334  
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Issue: 3  
Issue Date: 5/23/2005  
Effective Date: 8/1/2005

**A. Construction**

Diameters

- |    |               |                                   |       |
|----|---------------|-----------------------------------|-------|
| 1) | Component 1   | 10 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	5	BROWN	9	VIOLET
2	WHITE	6	BLUE	10	GRAY
3	RED	7	ORANGE		
4	GREEN	8	YELLOW		

- |    |                   |  |                    |
|----|-------------------|--|--------------------|
| 2) | Cable Assembly    | 10 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  | 0.266 (0.281 Max.) |
|    | a) Color(s)       | GRAY   |                    |
|    | b) Print          | ALPHA WIRE-* P/N 6334 10/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<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   | 42 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      | 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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