

**ALPHA WIRE COMPANY  
CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 6334**  
**Page 1 of 1 Pages**

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

**A. Construction**

**Diameters (In)**

- 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)                                SLATE
- b) Print                                    ALPHA WIRE-\* P/N 6334 10C 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                                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
  - a) 1000 FT
  - b) 500 FT
  - c) 100 FT

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability. Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.