

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

Part Number: 6333  
Page 1 of 2 Pages

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

**A. Construction**

Diameters

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

- 2) Cable Assembly                      9 Components Cabled
- a) Twists:                      5.3 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                      0.250 (0.264 Max.)
- a) Color(s)                      GRAY
- b) Print                      ALPHA WIRE-\* P/N 6333 9/C 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/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                      38 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                      4.6 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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