

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

**Part Number: 3496C**  
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**Issue: 5**  
**Issue Date: 5/20/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- 1) Component 1 6 X 1 PAIR
    - a) Conductor 28 (7/36) AWG TC
    - b) Insulation 0.013" Wall, Nom. Polypropylene, Foam 0.041
    - (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 | 5    | SLATE/WHITE - WHITE/SLATE |
| 2    | ORANGE/WHITE - WHITE/ORANGE | 4    | BROWN/WHITE - WHITE/BROWN | 6    | BLUE/RED - RED/BLUE       |
- c) Pair 2/Cond Cabled Together
    - (1) Twists: 12.0 Twists/foot (min)
  - 2) Cable Assembly 6 Components Cabled
    - a) Twists: 4.0 Twists/foot (min)
  - 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
    - a) Foil Direction Foil Facing Out
    - b) Drain Wire 28 (7/36) AWG TC
    - c) Braid TC,65% Coverage, Min.
  - 4) Jacket 0.035" Wall, Nom.,PVC 0.305 (0.322 Max.)
    - a) Color(s) SLATE
    - b) Print ALPHA WIRE-\* P/N 3496C 6PR 28 AWG  
SHIELDED 75C (UL) TYPE CL2 OR AWM 2919 LOW VOLTAGE  
COMPUTER CABLE --- 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 2919 80°C / 30 V<sub>RMS</sub>  
CL2 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 23.1 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 300 V<sub>RMS</sub>
- 2) Inductance 0.24 µH/ft, Nominal
- 3) Mutual Capacitance 12 pf/ft @1 kHz, Nominal
- 4) Ground Capacitance 20 pf/ft @1 kHz, Nominal
- 5) Conductor DCR 67 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 3.5 Ω/1000ft @20°C, Nominal

**E. Other**

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

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