

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

**Part Number: 6386**  
**Page 1 of 2 Pages**

**Issue: 5**  
**Issue Date: 5/26/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters**

- |                |                                    |       |
|----------------|------------------------------------|-------|
| 1) Component 1 | 6 X 1 PAIR                         |       |
| a) Conductor   | 24 (7/32) AWG TC                   |       |
| b) Insulation  | 0.010" Wall, Nom. Polyethylene(PE) | 0.044 |
| (1) Color Code | Alpha Wire Color Code A            |       |
- 
- | Pair | Color       | Pair | Color       | Pair | Color        |
|------|-------------|------|-------------|------|--------------|
| 1    | BLACK-RED   | 3    | BLACK-GREEN | 5    | BLACK-BROWN  |
| 2    | BLACK-WHITE | 4    | BLACK-BLUE  | 6    | BLACK-YELLOW |
- 
- |                       |   |                    |
|-----------------------|---|--------------------|
| c) Pair               | 2/Cond Cabled Together  |                    |
| (1) Twists:           | 9.6 Twists/foot (min)   |                    |
| Individually Applied: |   |                    |
| d) Shield:            | Foil Free Alum/Mylar Tape, 25% Overlap, Min.  |                    |
| (1) Foil Direction    | Foil Facing In  |                    |
| (2) Drain Wire        | 24 (7/32) AWG TC  |                    |
| 2) Cable Assembly     | 6 Components Cabled   |                    |
| a) Twists:            | 3.4 Twists/foot (min)   |                    |
| 3) Jacket             | 0.035" Wall, Nom.,PVC   | 0.317 (0.334 Max.) |
| a) Color(s)           | GRAY  |                    |
| b) Print              | ALPHA WIRE-* P/N 6386 6PR 24 AWG<br>SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE<br>COMPUTER CABLE --- LLXXXXXX CSA TYPE CMG FT4<br>ROHS<br>* = Factory Code |                    |

*[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Industry Approvals**

- |                                   |  |                    |
|-----------------------------------|--|--------------------|
| 1) UL                             | AWM/STYLE2919<br>CM<br>VW-1  | 80°C / 30V<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      | 63 Lbs, Maximum    |

**D. Electrical Properties**

(For Engineering purposes only)

- |                              |                            |
|------------------------------|----------------------------|
| 1) Voltage Rating            | 300 V <sub>RMS</sub>       |
| 2) Characteristic Impedance  | 60 Ω                       |
| 3) Mutual Capacitance        | 25 pf/ft @1 kHz, Nominal   |
| 4) Ground Capacitance        | 47 pf/ft @1 kHz, Nominal   |
| 5) Conductor DCR             | 26 Ω/1000ft @20°C, Nominal |
| 6) Ind. Shield DC Resistance | 21 Ω/1000ft @20°C, Nominal |

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**E. Other**

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

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