

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

Part Number: 57606

Issue: 3

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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 BC                    |       |
| b) Insulation  | 0.008" Wall, Nom. PVC, Plenum Rated | 0.040 |
| (1) Color Code | Alpha Wire Color Code A1            |       |
- 
- | Pair | Color       | Pair | Color       | Pair | Color        |
|------|-------------|------|-------------|------|--------------|
| 1    | BLACK-RED   | 3    | BLACK-GREEN | 5    | BLACK-YELLOW |
| 2    | BLACK-WHITE | 4    | BLACK-BLUE  | 6    | BLACK-BROWN  |
- 
- |                   |  |                    |
|-------------------|--|--------------------|
| c) Pair           | 2/Cond Cabled Together   |                    |
| (1) Twists:       | 8.0 Twists/foot (min)  |                    |
| 2) Cable Assembly | 6 Components Cabled  |                    |
| a) Twists:        | 3.2 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   |                    |
| 4) Jacket         | 0.015" Wall, Nom.,PVC, Plenum Rated  | 0.231 (0.245 Max.) |
| a) Color(s)       | GRAY   |                    |
| b) Print          | ALPHA WIRE-* P/N 57606 6PR 24 AWG<br>SHIELDED (UL) TYPE CL2P --- LLXXXXXX CSA TYPE CMP<br>FT6 ROHS |                    |

\* = Factory Code

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

**B. Industry Approvals**

- |                                   |      |      |
|-----------------------------------|------|------|
| 1) UL                             | CL2P | 60°C |
| 2) CSA International              | CMP  | 60°C |
|                                   | FT6  |      |
| 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 60°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 46 Lbs, Maximum    |

**D. Electrical Properties**

(For Engineering purposes only)

- |                             |                              |
|-----------------------------|------------------------------|
| 1) Voltage Rating           | 150 V <sub>RMS</sub>         |
| 2) Mutual Capacitance       | 32 pf/ft @1 kHz, Nominal     |
| 3) Ground Capacitance       | 58 pf/ft @1 kHz, Nominal     |
| 4) Characteristic Impedance | 67 Ω                         |
| 5) Inductance               | 0.18 μH/ft, Nominal          |
| 6) Conductor DCR            | 23.9 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR            | 15.8 Ω/1000ft @20°C, Nominal |

**E. Other**

- |              |  |
|--------------|--|
| 1) Packaging |  |
| a) 1000 FT   |  |

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