

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

Part Number: 57004  
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Issue: 3  
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**A. Construction**

Diameters

- |    |                |                                     |       |
|----|----------------|-------------------------------------|-------|
| 1) | Component 1    | 4 X 1 COND                          |       |
|    | 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 D2            |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	WHITE	4	GREEN		

- |    |                   |  |                    |
|----|-------------------|--|--------------------|
| 2) | Cable Assembly    | 4 Components Cabled  |                    |
|    | a) Twists:        | 6.0 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  | 0.131 (0.139 Max.) |
|    | a) Color(s)       | GRAY   |                    |
|    | b) Print          | ALPHA WIRE-* P/N 57004 4/C 24 AWG<br>SHIELDED (UL) TYPE CL2P --- LLXXXXXX CSA TYPE CMP<br>FT6 ROHS<br>* = 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<br>FT6 | 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 60°C        |
| 2) | Bend Radius       | 10X Cable Diameter |
| 3) | Pull Tension      | 17.6 Lbs, Maximum  |

**D. Electrical Properties**

(For Engineering purposes only)

- |    |                    |   |
|----|--------------------|---|
| 1) | Voltage Rating     | 150 V <sub>RMS</sub>                            |
| 2) | Capacitance        | 46 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 83 pf/ft @1 kHz, Nominal                        |
| 4) | Inductance         | 0.18 µH/ft, Nominal                             |
| 5) | Conductor DCR      | 23.7 Ω/1000ft @20°C, Nominal                    |
| 6) | OA Shield DCR      | 19.5 Ω/1000ft @20°C, Nominal                    |

**E. Other**

- |    |            |  |
|----|------------|--|
| 1) | Packaging  |  |
|    | a) 1000 FT |  |
|    | b) 500 FT  |  |

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