

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

Part Number: 2404C  
Page 1 of 2 Pages

Issue: 5  
Issue Date: 5/20/2005  
Effective Date: 8/1/2005

**A. Construction**

Diameters

- |                |                                    |       |
|----------------|------------------------------------|-------|
| 1) Component 1 | 4 X 1 COND                         |       |
| a) Conductor   | 22 (7/30) AWG TC                   |       |
| b) Insulation  | 0.016" Wall, Nom. Polyethylene(PE) | 0.062 |
| (1) Color(s)   |                                    |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	NATURAL		
2	RED	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     | 22 (7/30) AWG TC  |                    |
| 4) Jacket         | 0.020" Wall, Nom.,PVC   | 0.194 (0.205 Max.) |
| a) Color(s)       | GRAY  |                    |
| b) Print          | ALPHA WIRE-* P/N 2404C 4/C 22 AWG<br>SHIELDED 75C (UL) TYPE CM OR AWM 2094 ----<br>LLXXXXXX CSA TYPE CMG FT4 ROHS<br>* = Factory Code |                    |

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

**B. Industry Approvals**

- |                                   |               |             |
|-----------------------------------|---------------|-------------|
| 1) UL                             | AWM/STYLE2094 | 60°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 75°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 27 Lbs, Maximum    |

**D. Electrical Properties**

(For Engineering purposes only)

- |                       |   |
|-----------------------|---|
| 1) Voltage Rating     | 300 V <sub>RMS</sub>                              |
| 2) Capacitance        | 18.5 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 33 pf/ft @1 kHz, Nominal                          |
| 4) Inductance         | 0.2 µH/ft, Nominal                                |
| 5) Conductor DCR      | 16.4 Ω/1000ft @20°C, Nominal                      |
| 6) OA Shield DCR      | 11.8 Ω/1000ft @20°C, Nominal                      |

**E. Other**

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

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- c) BOX 500FT
- d) 500 FT
- e) 328 FT
- f) 100 FT

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