

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2402C
Page 1 of 2 Pages

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

A. Construction

Diameters

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 2 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 | 2 | RED | | |

- | | | | |
|----|-------------------|---|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 6.9 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 | 0.168 (0.178 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* P/N 2402C 2/C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2092 ---- 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/STYLE2092 CM VW-1 | 60°C / 300V 75°C |
| 2) | CSA International | CMG 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 75°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 16.5 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|--------------------------|---|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Capacitance | 20 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 36 pf/ft @1 kHz, Nominal |
| 4) | Characteristic Impedance | 77 Ω |
| 5) | Inductance | 0.2 μH/ft, Nominal |
| 6) | Conductor DCR | 16.3 Ω/1000ft @20°C, Nominal |
| 7) | OA Shield DCR | 11.7 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) 100 FT

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