

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6223C
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Issue: 5
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- | | | | |
|----|----------------|---------------------------------------|-------|
| 1) | Component 1 | 3 X 1 PAIR | |
| | a) Conductor | 24 (7/32) AWG TC | |
| | b) Insulation | 0.016" Wall, Nom. Polypropylene, Foam | 0.056 |
| | (1) Color Code | Alpha Wire Company Color Code M | |
-
- | Pair | Color | Pair | Color | Pair | Color |
|------|-------------------------|------|-----------------------------|------|---------------------------|
| 1 | BLUE/WHITE - WHITE/BLUE | 2 | ORANGE/WHITE - WHITE/ORANGE | 3 | GREEN/WHITE - WHITE/GREEN |
-
- | | | | |
|----|-------------------|--|--------------------|
| c) | Pair | 2/Cond Cabled Together | |
| | (1) Twists: | 8.0 Twists/foot (min) | |
| 2) | Cable Assembly | 3 Components Cabled | |
| | a) Twists: | 4.0 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 | |
| | c) Braid | TC,65% Coverage, Min. | |
| 4) | Jacket | 0.035" Wall, Nom.,PVC | 0.294 (0.308 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 6223C 3PR 24 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE
COMPUTER CABLE --- 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/STYLE 2919
CM
VW-1 | 80°C / 30 V _{RMS}
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 80°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 29 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|---|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Characteristic Impedance | 105 Ω +/- 10 |
| 3) | Mutual Capacitance | 12.5 pf/ft @1 kHz, Nominal |
| 4) | Ground Capacitance | 22 pf/ft @1 kHz, Nominal |
| 5) | Velocity of Propagation | 78 % |
| 6) | Attenuation, Max dB/100ft | 0.25 @ 100 kHz
0.8 @ 1 MHz
5.8 @ 50 MHz |

E. Other

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

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b) 500 FT

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