

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2219C
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Issue: 3
Issue Date: 5/19/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 9 X 1 PAIR | |
| a) Conductor | 22 (7/30) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC | 0.050 |
| (1) Color Code | Alpha Wire Company Color Code A | |

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	4	BLACK-BLUE	7	BLACK-ORANGE
2	BLACK-WHITE	5	BLACK-BROWN	8	RED-GREEN
3	BLACK-GREEN	6	BLACK-YELLOW	9	RED-WHITE

- | | | |
|-------------------|--|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 8.0 Twists/foot (min) | |
| 2) Cable Assembly | 9 Components Cabled | |
| a) Twists: | 2.7 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 | 0.035" Wall, Nom., PVC | 0.372 (0.392 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 2219C 9PR 22 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- 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 2576 | 80°C / 150 V _{RMS} |
| | 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 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 104 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|------------------------------|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 150 V _{RMS} |
| 2) Mutual Capacitance | 35 pf/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 63 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 65 Ω |
| 5) Inductance | 0.18 μH/ft, Nominal |
| 6) Conductor DCR | 16.5 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 10.3 Ω/1000ft @20°C, Nominal |

E. Other

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

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- b) 500 FT
- c) 100 FT

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