

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2421C	Issue: 6
Page 1 of 1 Pages	Issue Date: 11/3/2008
	Effective Date: 11/10/2008

A. Construction

Diameters (In)

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 18 (16/30) AWG TC | |
| | b) Insulation | 0.016" Wall, Nom. Polyethylene(PE) | 0.079 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	NATURAL		

- | | | | |
|----|-------------------|---|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 5.3 Twists/foot (min) | |
| 3) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing Out | |
| | b) Drain Wire | 20 (10/30) AWG TC | |
| 4) | Jacket | 0.020" Wall, Nom.,PVC | 0.202 (0.212 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 2421C 2C 18 AWG
SHIELDED 75C (UL) TYPE CMG OR AWM 2092 ----
C(UL) CMG FT4 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|-------------------------|
| 1) | UL | AWM/STYLE 2092
CMG
VW-1 | 60°C / 300 VRMS
75°C |
| 2) | CSA International | C(UL) TYPE CMG
FT4 | 75°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 | 33 Lbs, Maximum |

D. Electrical Properties

- | | | |
|----|--------------------------|---|
| 1) | Voltage Rating | 300 VRMS
(For Engineering purposes only) |
| 2) | Capacitance | 27 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 49 pf/ft @1 kHz, Nominal |
| 4) | Characteristic Impedance | 58 Ω |
| 5) | Inductance | 0.18 μH/ft, Nominal |
| 6) | Conductor DCR | 7.1 Ω/1000ft @20°C, Nominal |
| 7) | OA Shield DCR | 8.5 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|----|---------------|
| 1) | Packaging |
| | a) 1000 FT |
| | b) BOX 1000FT |
| | c) BOX 500FT |
| | d) 500 FT |
| | e) 328 FT |

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f) 100 FT

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