

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2414C
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Issue: 6
Issue Date: 11/3/2008
Effective Date: 11/10/2008

A. Construction

Diameters (In)

- | | | |
|----------------|------------------------------------|-------|
| 1) Component 1 | 4 X 1 COND | |
| a) Conductor | 20 (7/28) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. Polyethylene(PE) | 0.070 |
| (1) Color(s) | | |

Cond	Color	Cond	Color
1	BLACK	3	NATURAL
2	RED	4	GREEN

- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 4 Components Cabled | |
| a) Twists: | 4.8 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing Out | |
| b) Drain Wire | 20 (7/28) AWG TC | |
| 4) Jacket | 0.020" Wall, Nom.,PVC | 0.213 (0.224 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 2414C 4C 20 AWG
SHIELDED 75C (UL) TYPE CMG OR AWM 2094 ----
C(UL) CMG FT4 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|--|-----------------|
| 1) UL | AWM/STYLE 2094 | 60°C / 300 VRMS |
| | CMG | 75°C |
| | VW-1 | |
| 2) CSA International | C(UL) TYPE CMG | 75°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 | 44 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|---|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 VRMS |
| 2) Capacitance | 20.7 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 37 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.19 µH/ft, Nominal |
| 5) Conductor DCR | 10.2 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 8.2 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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