

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2442C
Page 1 of 1 Pages

Issue: 5
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A. Construction

Diameters (In)

- | | | |
|----------------|------------------------------------|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 14 (41/30) AWG TC | |
| b) Insulation | 0.020" Wall, Nom. Polyethylene(PE) | 0.114 |
| (1) Color(s) | | |
-
- | Cond | Color | Cond | Color |
|------|-------|------|---------|
| 1 | BLACK | 2 | NATURAL |
-
- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 3.7 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing Out | |
| b) Drain Wire | 16 (26/30) AWG TC | |
| 4) Jacket | 0.030" Wall, Nom.,PVC | 0.292 (0.307 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 2442C 2C 14 AWG
(UL) 75C TYPE CL2 SHIELDED
LLXXXXXX CSA AWM I/II IA/B 80C 150V FT4 ROHS
* = Factory Code | |

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- | | | |
|-----------------------------------|---------------------|-----------------------------|
| 1) UL | CL2 | 75°C |
| 2) CSA International | AWM I/II A/B
FT4 | 80°C / 150 V _{RMS} |
| 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 | 85 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|---|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 150 V _{RMS} |
| 2) Capacitance | 31 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 56 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 50 Ω |
| 5) Inductance | 0.17 μH/ft, Nominal |
| 6) Conductor DCR | 2.8 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 4 Ω/1000ft @20°C, Nominal |

E. Other

- | | |
|--------------|--|
| 1) Packaging | |
| a) 1000 FT | |
| b) 500 FT | |
| c) 100 FT | |

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