

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2444C
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Issue: 5
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A. Construction

Diameters (In)

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 12 (65/30) AWG TC | |
| | b) Insulation | 0.020" Wall, Nom. Polyethylene(PE) | 0.133 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	NATURAL		

- | | | | |
|----|-------------------|---|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 3.0 Twists/foot (min) | |
| 3) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing Out | |
| | b) Drain Wire | 14 (41/30) AWG TC | |
| 4) | Jacket | 0.030" Wall, Nom.,PVC | 0.330 (0.345 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 2444C 2C 12 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. | |

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|----|----------------------------|--|
| 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 | 134 Lbs, Maximum |

D. Electrical Properties

- | | | |
|---------------------------------|--------------------------|---|
| (For Engineering purposes only) | | |
| 1) | Voltage Rating | 150 V _{RMS} |
| 2) | Capacitance | 35 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 63 pf/ft @1 kHz, Nominal |
| 4) | Characteristic Impedance | 44 Ω |
| 5) | Inductance | 0.16 μH/ft, Nominal |
| 6) | Conductor DCR | 1.76 Ω/1000ft @20°C, Nominal |
| 7) | OA Shield DCR | 2.5 Ω/1000ft @20°C, Nominal |

E. Other

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

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