

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2241C
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Issue: 4
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A. Construction

Diameters (In)

- | | | | |
|----|----------------|---------------------------------|-------|
| 1) | Component 1 | 1 X 1 PAIR | |
| | a) Conductor | 18 (16/30) AWG TC | |
| | b) Insulation | 0.016" Wall, Nom. PVC | 0.079 |
| | (1) Color Code | Alpha Wire Company Color Code A | |

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED				

- | | | | |
|----|-------------------|--|--------------------|
| c) | Cabling | 2 COND Cabled | |
| | (1) Twists: | 5.3 Twists/foot (min) | |
| 2) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing Out | |
| | b) Drain Wire | 20 (10/30) AWG TC | |
| 3) | Jacket | 0.032" Wall, Nom., PVC | 0.226 (0.236 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 2241C 1PR 18 AWG
SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- 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 2464 | 80°C / 300 VRMS |
| | | 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 | 33 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|--------------------------|------------------------------|
| 1) | Voltage Rating | 300 VRMS |
| 2) | Mutual Capacitance | 57 pf/ft @1 kHz, Nominal |
| 3) | Ground Capacitance | 103 pf/ft @1 kHz, Nominal |
| 4) | Characteristic Impedance | 40 Ω |
| 5) | Inductance | 0.18 μH/ft, Nominal |
| 6) | Conductor DCR | 7.1 Ω/1000ft @20°C, Nominal |
| 7) | OA Shield DCR | 10.3 Ω/1000ft @20°C, Nominal |

E. Other

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

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