

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6331
Page 1 of 1 Pages

Issue: 3
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A. Construction

Diameters (In)

- | | | | |
|----|---------------|-----------------------------------|-------|
| 1) | Component 1 | 7 X 1 COND | |
| | a) Conductor | 24 (7/32) AWG TC | |
| | b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.044 |
| | (1) Color(s) | | |
-
- | Cond | Color | Cond | Color | Cond | Color |
|------|-------|------|-------|------|--------|
| 1 | BLACK | 4 | GREEN | 7 | ORANGE |
| 2 | WHITE | 5 | BROWN | | |
| 3 | RED | 6 | BLUE | | |
-
- | | | | |
|----|-------------------|--|--------------------|
| 2) | Cable Assembly | 7 Components Cabled | |
| | a) Twists: | 6.0 Twists/foot (min) | |
| 3) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing Out | |
| | b) Drain Wire | 24 (7/32) AWG TC | |
| | c) Braid | TC, 65% Coverage, Min. | |
| 4) | Jacket | 0.032" Wall, Nom., PVC | 0.223 (0.235 Max.) |
| | a) Color(s) | SLATE | |
| | b) Print | ALPHA WIRE-* P/N 6331 7C 24 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
CM
VW-1 | 80°C / 300 V _{RMS}
75°C |
| 2) | CSA International | CMG
FT4 | 60°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 80°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 31 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|--------------------|---|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Capacitance | 32 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Ground Capacitance | 58 pf/ft @1 kHz, Nominal |
| 4) | Inductance | 0.19 µH/ft, Nominal |
| 5) | Conductor DCR | 26 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 5.5 Ω/1000ft @20°C, Nominal |

E. Other

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

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