

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6329
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Issue: 3
Issue Date: 5/23/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- | | | | |
|----|---------------|-----------------------------------|-------|
| 1) | Component 1 | 5 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 | 3 | RED | 5 | BROWN |
| 2 | WHITE | 4 | GREEN | | |

- | | | | |
|----|-------------------|---|--------------------|
| 2) | Cable Assembly | 5 Components Cabled | |
| | a) Twists: | 6.9 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 | 0.209 (0.221 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* P/N 6329 5/C 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/STYLE2464 CM VW-1 | 80°C / 300V 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 | 23.7 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 |

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- b) 500 FT
- c) 100 FT

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