

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3470/25C
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Issue: 6
Issue Date: 5/20/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- | | | |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 25 X 1 COND | |
| a) Conductor | 28 (7/36) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.035 |
| (1) Color Code | Alpha Wire Color Code D | |

| Cond | Color | Cond | Color | Cond | Color |
|------|--------|------|-------------|------|-----------------|
| 1 | BLACK | 10 | GRAY | 19 | WHITE/YELLOW |
| 2 | RED | 11 | PINK | 20 | WHITE/BLUE |
| 3 | WHITE | 12 | TAN | 21 | WHITE/BROWN |
| 4 | GREEN | 13 | RED/GREEN | 22 | WHITE/ORANGE |
| 5 | ORANGE | 14 | RED/YELLOW | 23 | WHITE/GRAY |
| 6 | BLUE | 15 | RED/BLACK | 24 | WHITE/VIOLET |
| 7 | BROWN | 16 | WHITE/BLACK | 25 | WHITE/BLACK/RED |
| 8 | YELLOW | 17 | WHITE/RED | | |
| 9 | VIOLET | 18 | WHITE/GREEN | | |

- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 25 Components Cabled | |
| a) Twists: | 4.0 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing Out | |
| b) Drain Wire | 28 (7/36) AWG TC | |
| c) Braid | TC, 65% Coverage, Min. | |
| 4) Jacket | 0.035" Wall, Nom., PVC | 0.312 (0.331 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 3470/25C 25/C 28 AWG SHIELDED 75C (UL) TYPE CL2 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 | 80°C / 300V |
| | CL2 | 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 | 41 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------|---|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 25 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 45 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.22 µH/ft, Nominal |
| 5) Conductor DCR | 66 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 3.7 Ω/1000ft @20°C, Nominal |

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E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 100 FT

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