

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 3470/25C**  
**Page 1 of 2 Pages**

**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<sub>RMS</sub>  
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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