

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

**Part Number: 3470/15C**  
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**Issue: 6**  
**Issue Date: 5/20/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- 1) Component 1                      15 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 Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	6	BLUE	11	PINK
2	RED	7	BROWN	12	TAN
3	WHITE	8	YELLOW	13	RED/GREEN
4	GREEN	9	VIOLET	14	RED/YELLOW
5	ORANGE	10	SLATE	15	RED/BLACK

- 2) Cable Assembly                      15 Components Cabled
- a) Twists:                        4.8 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                      0.267 (0.283 Max.)
- a) Color(s)                        SLATE
- b) Print                            ALPHA WIRE-\* P/N 3470/15C 15C 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/STYLE 2464                      80°C / 300 V<sub>RMS</sub>  
   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                        26 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                      4.4 Ω/1000ft @20°C, Nominal

**E. Other**

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

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