

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

**Part Number: 1299/15C**  
**Page 1 of 2 Pages**

**Issue: 4**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters**

- 1) Component 1 15 X 1 COND  
a) Conductor 22 (7/30) AWG TC  
b) Insulation 0.010" Wall, Nom. PVC 0.050  
(1) Color Code Alpha Wire 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	GRAY	15	RED/BLACK

- 2) Cable Assembly 15 Components Cabled  
a) Twists: 3.7 Twists/foot (min)  
3) Shield: Alum/Mylar Tape, 25% Overlap, Min.  
a) Foil Direction Foil Facing Out  
b) Drain Wire 22 (7/30) AWG TC  
4) Jacket 0.032" Wall, Nom., PVC 0.298 (0.314 Max.)  
a) Color(s) GRAY  
b) Print ALPHA WIRE-\* P/N 1299/15C 15/C 22 AWG  
SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- 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/STYLE2576 80°C / 150V  
CM 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 88 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)  
1) Voltage Rating 300 V<sub>RMS</sub>  
2) Capacitance 50 pf/ft @1 kHz, Nominal Conductor to Conductor  
3) Ground Capacitance 90 pf/ft @1 kHz, Nominal  
4) Inductance 0.18 µH/ft, Nominal  
5) Conductor DCR 16.4 Ω/1000ft @20°C, Nominal  
6) OA Shield DCR 11.8 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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