

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6227C

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Issue: 5

Issue Date: 5/26/2005

Effective Date: 8/1/2005

A. Construction

Diameters

- 1) Component 1 7 X 1 PAIR
a) Conductor 24 (7/32) AWG TC
b) Insulation 0.016" Wall, Nom. Polypropylene, Foam 0.056
(1) Color Code Alpha Wire Color Code M

Pair	Color	Pair	Color	Pair	Color
1	BLUE/WHITE - WHITE/BLUE	4	BROWN/WHITE - WHITE/BROWN	7	ORANGE/RED - RED/ORANGE
2	ORANGE/WHITE - WHITE/ORANGE	5	SLATE/WHITE - WHITE/SLATE		
3	GREEN/WHITE - WHITE/GREEN	6	BLUE/RED - RED/BLUE		

- c) Pair 2/Cond Cabled Together
(1) Twists: 8.0 Twists/foot (min)
2) Cable Assembly 7 Components Cabled
a) Twists: 3.0 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 0.035" Wall, Nom., PVC 0.373 (0.391 Max.)
a) Color(s) GRAY
b) Print ALPHA WIRE-* P/N 6227C 7PR 24 AWG

SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE
COMPUTER CABLE --- 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/STYLE2919 80°C / 30V
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 58 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
2) Characteristic Impedance 105 Ω +/- 10
3) Mutual Capacitance 12.5 pf/ft @1 kHz, Nominal
4) Ground Capacitance 22 pf/ft @1 kHz, Nominal
5) Velocity of Propagation 78 %
6) Attenuation, Max dB/100ft 0.25 @ 100 kHz

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0.8 @ 1 MHz
5.8 @ 50 MHz

E. Other

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

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