

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6228C
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Issue: 5
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 8 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 Company 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	8	GREEN/RED - RED/GREEN
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 8 Components Cabled
 - a) Twists: 2.7 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 0.401 (0.420 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 6228C 8PR 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/STYLE 2919 80°C / 30 V_{RMS}
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 65 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
0.8 @ 1 MHz
5.8 @ 50 MHz

E. Other

- 1) Packaging

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- a) 1000 FT
- b) 500 FT

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