

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6218C
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Issue: 4
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 8 X 1 PAIR
- a) Conductor 22 (7/30) AWG TC
- b) Insulation 0.020" Wall, Nom. Polypropylene, Foam 0.070
- (1) Color Code Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	4	BLACK-BLUE	7	BLACK-ORANGE
2	BLACK-WHITE	5	BLACK-BROWN	8	RED-GREEN
3	BLACK-GREEN	6	BLACK-YELLOW		

- c) Pair 2/Cond Cabled Together
- (1) Twists: 6.0 Twists/foot (min)
- 2) Cable Assembly 8 Components Cabled
- a) Twists: 2.2 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 0.035" Wall, Nom.,PVC 0.456 (0.486 Max.)
- a) Color(s) SLATE
- b) Ripcord 1 End 810 Denier Nylon
- c) Print ALPHA WIRE-* P/N 6218C 8PR 22 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 93 Lbs, Maximum

D. Electrical Properties

- 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 0.16 @ 100 kHz
0.4 @ 1 MHz
2.3 @ 50 MHz

E. Other

- 1) Packaging

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- a) 1000 FT
- b) 500 FT

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