

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

**Part Number: 6205C**  
**Page 1 of 2 Pages**

**Issue: 4**  
**Issue Date: 5/26/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- 1) Component 1                      5 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 A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE		

- c) Pair                                      2/Cond Cabled Together
  - (1) Twists:                              8.0 Twists/foot (min)
- 2) Cable Assembly                      5 Components Cabled
  - a) Twists:                              3.4 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
- 4) Jacket                                 0.035" Wall, Nom.,PVC                      0.323 (0.339 Max.)
  - a) Color(s)                              SLATE
  - b) Ripcord                              1 End 810 Denier Nylon
  - c) Print                                 ALPHA WIRE-\* P/N 6205C 5PR 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<sub>RMS</sub>  
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                                39 Lbs, Maximum

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating                              300 V<sub>RMS</sub>
- 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
  - a) 1000 FT

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b) 500 FT

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