

ALPHA WIRE COMPANY

CUSTOMER PRODUCT SPECIFICATION

Part Number: 6204C
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Issue: 4
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- 1) Component 1 4 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		
2	BLACK-WHITE	4	BLACK-BLUE		

- c) Pair 2/Cond Cabled Together
 - (1) Twists: 8.0 Twists/foot (min)
- 2) Component 2 1 X 1 COND
 - a) Conductor 24 (7/32) AWG TC
 - b) Insulation 0.016" Wall, Nom. Polypropylene, Foam 0.056
 - (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK				

- 3) Cable Assembly 5 Components Cabled
 - a) Twists: 3.7 Twists/foot (min)
- 4) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing Out
 - b) Drain Wire 24 (7/32) AWG TC
- 5) Jacket 0.035" Wall, Nom.,PVC 0.304 (0.319 Max.)
 - a) Color(s) SLATE
 - b) Ripcord 1 End 810 Denier Nylon
 - c) Print ALPHA WIRE-* P/N 6204C 4PR/1C 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 VRMS
 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 35 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
- 2) Characteristic Impedance 105 Ω +/- 10

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|------------------------------|----------------------------|
| 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
 - b) 500 FT

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