

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6084C
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Issue: 5
Issue Date: 12/18/2008
Effective Date: 12/18/2008

A. Construction

Diameters (In)

- 1) Component 1 4 X 1 PAIR
 - a) Conductor 24 (7/32) AWG TC
 - b) Insulation 0.010" Wall, Nom. Polyethylene, High Density 0.044
 - (1) Color Code Alpha Wire Company Color Code M

Pair	Color	Pair	Color	Pair	Color
1	BLUE/WHITE - WHITE/BLUE	3	GREEN/WHITE - WHITE/GREEN		
2	ORANGE/WHITE - WHITE/ORANGE	4	BROWN/WHITE - WHITE/BROWN		

- c) Pair 2/Cond Cabled Together
- (1) Twists: 9.6 Twists/foot (approx.)
- 2) Cable Assembly 4 Components Cabled
 - a) Twists: 4.8 Twists/foot (min)
 - b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Shield: A/P/A Tape, 25% Overlap, Min.
 - a) Drain Wire 24 (7/32) AWG TC
- 4) Jacket 0.035" Wall, Nom., PVC 0.254 (0.268 Max.)
 - a) Color(s) SLATE
 - b) Print ALPHA WIRE-* P/N 6084C 4PR 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

C. Environmental Approvals

- 1) 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.
- 2) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

- 1) Temperature Range -20 to 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 32 Lbs, Maximum

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Mutual Capacitance 16.6 pf/ft @1 kHz, Nominal
- 3) Ground Capacitance 30 pf/ft @1 kHz, Nominal
- 4) Characteristic Impedance 93 Ω
- 5) Inductance 0.19 μH/ft, Nominal
- 6) Conductor DCR 26 Ω/1000ft @20°C, Nominal
- 7) OA Shield DCR 11.5 Ω/1000ft @20°C, Nominal

F. Other

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

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c) 100 FT

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