

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6389
Page 1 of 2 Pages

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

A. Construction

Diameters

- 1) Component 1 25 X 1 PAIR
 - a) Conductor 24 (7/32) AWG TC
 - b) Insulation 0.010" Wall, Nom. Polyethylene(PE) 0.044
 - (1) Color Code Alpha Wire Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	10	RED-BLUE	19	WHITE-BLUE
2	BLACK-WHITE	11	RED-YELLOW	20	WHITE-BROWN
3	BLACK-GREEN	12	RED-BROWN	21	WHITE-ORANGE
4	BLACK-BLUE	13	RED-ORANGE	22	WHITE-YELLOW
5	BLACK-BROWN	14	GREEN-BLUE	23	BLUE-BROWN
6	BLACK-YELLOW	15	GREEN-WHITE	24	BLUE-ORANGE
7	BLACK-ORANGE	16	GREEN-BROWN	25	BLUE-YELLOW
8	RED-GREEN	17	GREEN-ORANGE		
9	RED-WHITE	18	GREEN-YELLOW		

- c) Pair 2/Cond Cabled Together
 - (1) Twists: 9.6 Twists/foot (min)
 - Individually Applied:
 - d) Shield: Foil Free Alum/Mylar Tape, 25% Overlap, Min.
 - (1) Foil Direction Foil Facing In
 - (2) Drain Wire 24 (7/32) AWG TC
- 2) Cable Assembly 25 Components Cabled
 - a) Twists: 1.6 Twists/foot (min)
- 3) Jacket 0.047" Wall, Nom.,PVC 0.599 (0.629 Max.)
 - a) Color(s) GRAY
 - b) Print ALPHA WIRE-* P/N 6389 25PR 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/STYLE2919 80°C / 30V
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 264 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
- 2) Characteristic Impedance 60 Ω
- 3) Mutual Capacitance 25 pf/ft @1 kHz, Nominal

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Page 2 of 2 Pages

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- 4) Ground Capacitance 47 pf/ft @1 kHz, Nominal
- 5) Conductor DCR 26 Ω /1000ft @20°C, Nominal
- 6) Ind. Shield DC Resistance 21 Ω /1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT

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