

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6369
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Issue: 3
Issue Date: 5/23/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- 1) Component 1 12 X 1 PAIR
 a) Conductor 24 (7/32) AWG TC
 b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.044
 (1) Color Code Alpha Wire Color Code M

Pair	Color	Pair	Color	Pair	Color
1	BLUE/WHITE - WHITE/BLUE	5	SLATE/WHITE - WHITE/SLATE	9	BROWN/RED - RED/BROWN
2	ORANGE/WHITE - WHITE/ORANGE	6	BLUE/RED - RED/BLUE	10	SLATE/RED - RED/SLATE
3	GREEN/WHITE - WHITE/GREEN	7	ORANGE/RED - RED/ORANGE	11	BLUE/BLACK - BLACK/BLUE
4	BROWN/WHITE - WHITE/BROWN	8	GREEN/RED - RED/GREEN	12	ORANGE/BLACK - BLACK/ORANGE

- c) Pair 2/Cond Cabled Together
 (1) Twists: 9.6 Twists/foot (min)
- 2) Component 2 1 X 1 COND
 a) Conductor 24 (7/32) AWG TC
 b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.044
 (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	GREEN/BLACK				

- 3) Cable Assembly 13 Components Cabled
 a) Twists: 2.7 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
 c) Braid TC, 65% Coverage, Min.
- 5) Jacket 0.032" Wall, Nom., PVC 0.389 (0.410 Max.)
 a) Color(s) GRAY
 b) Print ALPHA WIRE-* P/N 6369 12PR/1C 24 AWG
 SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- 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/STYLE2464 80°C / 300V
 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 97 Lbs, Maximum

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D. Electrical Properties (For Engineering purposes only)

- 1) Voltage Rating 300 V_{RMS}
- 2) Component 1
 - a) Characteristic Impedance 75 Ω
 - b) Mutual Capacitance 30 pf/ft @1 kHz, Nominal
 - c) Ground Capacitance 50 pf/ft @1 kHz, Nominal
 - d) Conductor DCR 26 Ω/1000ft @20°C, Nominal
 - e) OA Shield DCR 3.4 Ω/1000ft @20°C, Nominal
- 3) Component 2
 - a) Ground Capacitance 90 pf/ft @1 kHz, Nominal
 - b) Conductor DCR 26 Ω/1000ft @20°C, Nominal

E. Other

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

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