

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6376
Page 1 of 2 Pages

Issue: 3
Issue Date: 5/23/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- | | | | |
|----|---------------|-----------------------------------|-------|
| 1) | Component 1 | 5 X 1 PAIR | |
| | a) Conductor | 22 (7/30) AWG TC | |
| | b) Insulation | 0.010" Wall, Nom. PVC, Semi Rigid | 0.050 |
| | (1) Color(s) | | |
-
- | Pair | Color | Pair | Color | Pair | Color |
|------|-------------|------|-------------|------|--------------|
| 1 | BLACK-RED | 3 | BLACK-GREEN | 5 | BLACK-YELLOW |
| 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: | 3.7 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 | |
| | c) Braid | TC, 65% Coverage, Min. | |
| 4) | Jacket | 0.032" Wall, Nom., PVC | 0.312 (0.328 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* P/N 6376 5PR 22 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
CM
VW-1 | 80°C / 300V
75°C |
| 2) | CSA International | CMG
FT4 | 60°C |
| 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 | 63 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|--------------------------|------------------------------|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Characteristic Impedance | 70 Ω |
| 3) | Mutual Capacitance | 35 pf/ft @1 kHz, Nominal |
| 4) | Ground Capacitance | 63 pf/ft @1 kHz, Nominal |
| 5) | Conductor DCR | 16.5 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 3.4 Ω/1000ft @20°C, Nominal |

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Page 2 of 2 Pages

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E. Other

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

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