

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6010C
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Issue: 6
Issue Date: 5/26/2005
Effective Date: 8/1/2005

A. Construction

Diameters

- | | | | |
|----|----------------|-------------------------------------|-------|
| 1) | Component 1 | 3 X 1 PAIR | |
| | a) Conductor | 22 (7/30) AWG TC | |
| | b) Insulation | 0.010" Wall, Nom. Polypropylene(PP) | 0.050 |
| | (1) Color Code | Alpha Wire Color Code A | |
-
- | Pair | Color | Pair | Color | Pair | Color |
|------|-----------|------|-------------|------|-------------|
| 1 | BLACK-RED | 2 | BLACK-WHITE | 3 | BLACK-GREEN |
-
- | | | | |
|----|-----------------------|--|--------------------|
| c) | Pair | 2/Cond Cabled Together | |
| | (1) Twists: | 8.0 Twists/foot (min) | |
| | Individually Applied: | | |
| | d) Shield: | Foil Free Alum/Mylar Tape, 25% Overlap, Min. | |
| | (1) Foil Direction | Foil Facing In | |
| | (2) Drain Wire | 22 (7/30) AWG TC | |
| 2) | Cable Assembly | 3 Components Cabled | |
| | a) Twists: | 4.0 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Jacket | 0.048" Wall, Nom.,PVC | 0.298 (0.312 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* P/N 6010C 3PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2493 --- 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/STYLE2493 | 60°C |
| | | 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 75°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 49 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|------------------------------|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Characteristic Impedance | 55 Ω |
| 3) | Inductance | 0.18 μH/ft, Nominal |
| 4) | Mutual Capacitance | 28 pf/ft @1 kHz, Nominal |
| 5) | Ground Capacitance | 50 pf/ft @1 kHz, Nominal |
| 6) | Conductor DCR | 16.5 Ω/1000ft @20°C, Nominal |
| 7) | Ind. Shield DC Resistance | 14.4 Ω/1000ft @20°C, Nominal |

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E. Other

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

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