

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6053C
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Issue: 6
Issue Date: 5/23/2005
Effective Date: 8/1/2005

A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 3 X 1 PAIR | |
| a) Conductor | 22 (7/30) AWG TC | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.062 |
| (1) Color Code | Alpha Wire Company 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: | 6.9 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: | 3.4 Twists/foot (min) | |
| b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.043" Wall, Nom., PVC | 0.334 (0.348 Max.) |
| a) Color(s) | SLATE | |
| b) Print | ALPHA WIRE-* P/N 6053C 3PR 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/STYLE 2464 | 80°C / 300 V _{RMS} |
| | 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 | 49 Lbs, Maximum |

D. Electrical Properties

- | | |
|---------------------------------|------------------------------|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Mutual Capacitance | 43 pf/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 77 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 53 Ω |
| 5) Inductance | 0.2 μH/ft, Nominal |
| 6) Conductor DCR | 16.6 Ω/1000ft @20°C, Nominal |
| 7) Component Shield DCR | 13.8 Ω/1000ft @20°C, Nominal |

E. Other

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

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c) 100 FT

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