

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2466C
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Issue: 4
Issue Date: 4/13/2005
Effective Date: 6/1/2005

A. Construction

Diameters

- | | | |
|----------------|-------------------------------------|-------|
| 1) Component 1 | 2 X 1 PAIR | |
| a) Conductor | 22 (7/30) AWG TC | |
| b) Insulation | 0.010" Wall, Nom. Polypropylene(PP) | 0.050 |
| (1) Color(s) | | |
-
- | Pair | Color | Pair | Color |
|------|-----------|------|-------------|
| 1 | RED-BLACK | 2 | GREEN-WHITE |
-
- | | | |
|-----------------------|------------------------------------|--|
| c) Pair | 2/Cond Cabled Together | |
| Individually Applied: | | |
| d) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| (1) Foil Direction | Foil Facing Out | |
-
- | | | |
|-------------------|-----------------------|--|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 6.0 Twists/foot (min) | |
| b) Drain Wire | 24 (7/32) AWG TC | |
-
- | | | |
|-------------|--|--------------------|
| 3) Jacket | 0.020" Wall, Nom.,PVC | 0.170 (0.182 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 2466C 2PR 22 AWG
SHIELDED 75C (UL) TYPE CM --- 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 | CM | 75°C |
| 2) CSA International | CMG | 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 75°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 25 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------------|------------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Characteristic Impedance | 60 Ω |
| 3) Inductance | 0.18 μH/ft, Nominal |
| 4) Mutual Capacitance | 25 pf/ft @1 kHz, Nominal |
| 5) Ground Capacitance | 45 pf/ft @1 kHz, Nominal |
| 6) Conductor DCR | 16.1 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 16 Ω/1000ft @20°C, Nominal |

E. Other

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

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d) 100 FT

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