

**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       | 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<br>SHIELDED 75C (UL) TYPE CM --- LLXXXXXX CSA TYPE<br>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 <sub>RMS</sub>         |  |
| 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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