

**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 (In)**

- |                |                                     |       |
|----------------|-------------------------------------|-------|
| 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)           | SLATE  |                    |
| b) Print              | ALPHA WIRE-* P/N 2466C 2PR 22 AWG<br>SHIELDED 75C (UL) TYPE CM --- LLXXXXXX CSA TYPE<br>CMG FT4 ROHS<br>* = 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.

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|-------------------------------|--|
| 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 VRMS                     |
| 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     |  |
| d) 100 FT     |  |

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