

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 6062C**  
**Page 1 of 2 Pages**

**Issue: 5**  
**Issue Date: 5/23/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- |    |                |                                 |       |
|----|----------------|---------------------------------|-------|
| 1) | Component 1    | 2 X 1 PAIR                      |       |
|    | a) Conductor   | 18 (16/30) AWG TC               |       |
|    | b) Insulation  | 0.016" Wall, Nom. PVC           | 0.079 |
|    | (1) Color Code | Alpha Wire Company Color Code A |       |
- 
- | Pair | Color     | Pair | Color       | Pair | Color |
|------|-----------|------|-------------|------|-------|
| 1    | BLACK-RED | 2    | BLACK-WHITE |      |       |
- 
- |    |                       |  |                    |
|----|-----------------------|--|--------------------|
| c) | Pair                  | 2/Cond Cabled Together   |                    |
|    | (1) Twists:           | 5.3 Twists/foot (min)  |                    |
|    | Individually Applied: |  |                    |
|    | d) Shield:            | Foil Free Alum/Mylar Tape, 25% Overlap, Min.   |                    |
|    | (1) Foil Direction    | Foil Facing In   |                    |
|    | (2) Drain Wire        | 20 (10/30) AWG TC  |                    |
| 2) | Cable Assembly        | 2 Components Cabled  |                    |
|    | a) Twists:            | 2.8 Twists/foot (min)  |                    |
|    | b) Core Wrap          | Clear Mylar Tape, 25% Overlap, Min.  |                    |
| 3) | Jacket                | 0.043" Wall, Nom., PVC   | 0.376 (0.390 Max.) |
|    | a) Color(s)           | SLATE  |                    |
|    | b) Print              | ALPHA WIRE-* P/N 6062C 2PR 18 AWG<br>SHIELDED 75C (UL) TYPE CM OR AWM 2464 --- LLXXXXXX<br>CSA TYPE 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                             | AWM/STYLE 2464<br>CM<br>VW-1   | 80°C / 300 V <sub>RMS</sub><br>75°C |
| 2) | CSA International              | CMG<br>FT4   | 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 80°C        |
| 2) | Bend Radius       | 10X Cable Diameter |
| 3) | Pull Tension      | 66 Lbs, Maximum    |

**D. Electrical Properties**

- |                                 |                          |                             |
|---------------------------------|--------------------------|-----------------------------|
| (For Engineering purposes only) |                          |                             |
| 1)                              | Voltage Rating           | 300 V <sub>RMS</sub>        |
| 2)                              | Mutual Capacitance       | 57 pf/ft @1 kHz, Nominal    |
| 3)                              | Ground Capacitance       | 103 pf/ft @1 kHz, Nominal   |
| 4)                              | Characteristic Impedance | 40 Ω                        |
| 5)                              | Inductance               | 0.18 μH/ft, Nominal         |
| 6)                              | Conductor DCR            | 7.2 Ω/1000ft @20°C, Nominal |
| 7)                              | Component Shield DCR     | 8.6 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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