

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

**Part Number: 1132C**  
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**Issue: 4**  
**Issue Date: 5/19/2005**  
**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)   |                    |
| 2) | Cable Assembly | 2 Components Cabled   |                    |
|    | a) Twists:     | 3.2 Twists/foot (min)   |                    |
|    | b) Core Wrap   | Clear Mylar Tape, 25% Overlap, Min.   |                    |
| 3) | Jacket         | 0.035" Wall, Nom., PVC  | 0.332 (0.346 Max.) |
|    | a) Color(s)    | SLATE   |                    |
|    | b) Print       | ALPHA WIRE-* P/N 1132C 2PR 18 AWG<br>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   | 80°C / 300 VRMS |
|    |                                | 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      | 50 Lbs, Maximum    |

**D. Electrical Properties**

- |                                 |                    |                             |
|---------------------------------|--------------------|-----------------------------|
| (For Engineering purposes only) |                    |                             |
| 1)                              | Voltage Rating     | 300 VRMS                    |
| 2)                              | Mutual Capacitance | 33 pf/ft @1 kHz, Nominal    |
| 3)                              | Inductance         | 0.18 µH/ft, Nominal         |
| 4)                              | Conductor DCR      | 7.3 Ω/1000ft @20°C, Nominal |

**E. Other**

- |    |            |  |
|----|------------|--|
| 1) | Packaging  |  |
|    | a) 1000 FT |  |
|    | b) 500 FT  |  |
|    | c) 100 FT  |  |

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