

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

**Part Number: 1131C**  
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**Issue: 4**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- |                |                                 |       |
|----------------|---------------------------------|-------|
| 1) Component 1 | 1 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				

- |               |   |                    |
|---------------|---|--------------------|
| c) Cabling    | 2 COND Cabled   |                    |
| (1) Twists:   | 5.3 Twists/foot (min)   |                    |
| (2) Core Wrap | Clear Mylar Tape, 25% Overlap, Min.   |                    |
| 2) Jacket     | 0.032" Wall, Nom.,PVC   | 0.225 (0.235 Max.) |
| a) Color(s)   | SLATE   |                    |
| b) Print      | ALPHA WIRE-* P/N 1131C 1PR 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      | 25 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      | 7.1 Ω/1000ft @20°C, Nominal |

**E. Other**

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

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