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Jameco Part Number 568780

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

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Part Number: 5016C  
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Issue: 4  
Issue Date: 11/5/2003  
Effective Date: 12/16/2003

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**A. Construction**

**Diameters**

- 1) Component 1 6 X 1 COND  
a) Conductor 24 (7/32) AWG TC  
b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.044  
(1) Color Code Alpha Wire Color Code E

| Cond | Color | Cond | Color  | Cond | Color  |
|------|-------|------|--------|------|--------|
| 1    | BLACK | 3    | RED    | 5    | YELLOW |
| 2    | BROWN | 4    | ORANGE | 6    | GREEN  |

- 2) Cable Assembly 6 Components Bunch Cabled  
a) Twists: 6.9 Twists/foot (min)  
b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.  
3) Jacket 0.032" Wall, Nom., PVC 0.200+/- 0.012  
a) Color(s) Gray, Black  
b) Ripcord 1 End 810 Denier Nylon  
c) Print ALPHA WIRE-\* P/N 5016C 6/C 24 AWG  
XTRA GUARD 1 75C (UL) TYPE CM OR AWM 2464 ---  
LLXXXXXX CSA TYPE CMG FT4 CE  
\* = Factory Code

*[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Industry Approvals**

- 1) UL  
a) Component 1 AWM/STYLE10002 105°C / 300V  
b) Overall AWM/STYLE2464 80°C / 300V  
CM 75°C / 300V  
VW-1  
2) CSA International CMG 60°C  
FT4  
3) CE LVD 73/23/EEC Amendment 93/68/EEC

**C. Physical & Mechanical Properties**

- 1) Temperature Range -20 to 80°C  
2) Bend Radius 10X Cable Diameter

**D. Electrical Properties**

- 1) Voltage Rating 300 V<sub>RMS</sub>

**E. Other**

- 1) Packaging  
a) 1000 FT  
b) 500 FT  
c) 328 FT  
d) 100 FT  
e) Bulk(Made-to-order)