

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

Part Number: 5491C  
Page 1 of 1 Pages

Issue: 4  
Issue Date: 11/5/2003  
Effective Date: 12/16/2003

**A. Construction**

Diameters

- |    |                |                                   |       |
|----|----------------|-----------------------------------|-------|
| 1) | Component 1    | 1 X 1 PAIR                        |       |
|    | 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 B           |       |
- 
- | Pair | Color       | Pair | Color | Pair | Color |
|------|-------------|------|-------|------|-------|
| 1    | WHITE-BLACK |      |       |      |       |
- 
- |    |                   |   |                |
|----|-------------------|---|----------------|
| c) | Pair              | 2/Cond Cabled Together  |                |
|    | (1) Twists:       | 9.6 Twists/foot (min)   |                |
| 2) | Core Wrap         | 0.0010" Clear Mylar Tape, 25% Overlap, Min.   |                |
| 3) | Shield:           | Alum/Mylar Tape, 25% Overlap, Min.  |                |
|    | a) Foil Direction | Foil Facing In  |                |
|    | b) Drain Wire     | 24 (7/32) AWG TC  |                |
| 4) | Jacket            | 0.032" Wall, Nom., PVC  | 0.159+/- 0.010 |
|    | a) Color(s)       | Gray, Black   |                |
|    | b) Ripcord        | 1 End 810 Denier Nylon  |                |
|    | c) Print          | ALPHA WIRE-* P/N 5491C 1PR 24 AWG<br>XTRA GUARD 1 SHIELDED 75C (UL) TYPE CM OR AWM 2464<br>--- 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) 100 FT              |  |
|    | d) Bulk(Made-to-order) |  |