

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

**Part Number: 25006**  
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**Issue: 13**  
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**A. Construction**

**Diameters (In)**

- |    |                |                                   |       |
|----|----------------|-----------------------------------|-------|
| 1) | Component 1    | 6 X 1 COND                        |       |
|    | a) Conductor   | 22 (7/30) AWG TC                  | 0.030 |
|    | b) Insulation  | 0.010" Wall, Nom. PVC, Semi Rigid | 0.050 |
|    | (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 Cabled   |                    |
|    | a) Twists:     | 6.9 Twists/foot (min)   |                    |
|    | b) Core Wrap   | Nonwoven Polyester Tape, 25% Overlap, Min.                        |                    |
| 3) | Jacket         | 0.032" Wall, Nom., Polyurethane (TPU)                             | 0.219 (0.231 Max.) |
|    | a) Color(s)    | Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White |                    |
|    | b) Ripcord     | 1 End 810 Denier Nylon  |                    |
|    | c) Print       | ALPHA WIRE-* P/N 25006  |                    |

XTRAGUARD(R) 2 RU AWM 20668 VW-1 --- LLXXXXXX CSA  
AWM I/II A/B 90C 300 VOLTS FT1 CE  
ROHS (SEQ FOOTAGE)

\* = Factory Code

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

**B. Applicable Specifications**

- |    |                   |                                     |                              |
|----|-------------------|-------------------------------------|------------------------------|
| 1) | UL                |                                     |                              |
|    | a) Component 1    | AWM/STYLE 10002                     | 105°C / 300 V <sub>RMS</sub> |
|    | b) Overall        | AWM/STYLE 20668                     | 90°C / 300 V <sub>RMS</sub>  |
|    |                   | VW-1                                |                              |
| 2) | CSA International | AWM I/II A/B                        | 90°C / 300 V <sub>RMS</sub>  |
|    |                   | FT1                                 |                              |
| 3) | CE:               | EU Low Voltage Directive 2006/95/EC |                              |

**C. Environmental Compliance**

- |    |                                  |   |
|----|----------------------------------|---|
| 1) | CE:                              | EU Directive 2011/65/EU(RoHS2):<br>This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for <a href="#">RoHS C of C</a> . |
| 2) | REACH Regulation (EC 1907/2006): | This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see <a href="#">Alpha's REACH SVHC Declaration</a> .  |
| 3) | California Proposition 65:       | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.  |

**D. Physical & Mechanical Properties**

- |    |                     |                    |
|----|---------------------|--------------------|
| 1) | Temperature Range   | -30 to 90°C        |
| 2) | Bend Radius         | 10X Cable Diameter |
| 3) | Pull Tension        | 33 Lbs, Maximum    |
| 4) | Sunlight Resistance | Yes                |

**E. Electrical Properties**

- |    |                |   |
|----|----------------|---|
|    |                | (For Engineering purposes only)                   |
| 1) | Voltage Rating | 300 V <sub>RMS</sub>                              |
| 2) | Capacitance    | 23.5 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) | Inductance     | 0.18 µH/ft, Nominal                               |
| 4) | Conductor DCR  | 16.5 Ω/1000ft @20°C, Nominal                      |

**F. Other**

- |    |                        |                                     |
|----|------------------------|-------------------------------------|
| 1) | Packaging              | Flange x Traverse x Barrel (inches) |
|    | a) Bulk(Made-to-order) |                                     |

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