

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

**Part Number: 25063**  
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**Issue: 13**  
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**Effective Date: 1/4/2013**

**A. Construction**

**Diameters (In)**

- |                |                         |       |
|----------------|-------------------------|-------|
| 1) Component 1 | 3 X 1 COND              |       |
| a) Conductor   | 18 (16/30) AWG TC       | 0.047 |
| b) Insulation  | 0.016" Wall, Nom. PVC   | 0.079 |
| (1) Color Code | Alpha Wire Color Code D |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED	3	WHITE

- |                   |  |                    |
|-------------------|--|--------------------|
| 2) Cable Assembly | 3 Components Cabled  |                    |
| a) Twists:        | 6.0 Twists/foot (min)  |                    |
| b) Core Wrap      | Nonwoven Polyester Tape, 25% Overlap, Min.   |                    |
| 3) Jacket         | 0.032" Wall, Nom., Polyurethane (TPU)  | 0.238 (0.249 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 25063<br>XTRAGUARD(R) 2 RU AWM 20668 VW-1 --- LLXXXXXX CSA<br>AWM I/II A/B 90C 300 VOLTS FT1 CE<br>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 1569                      | 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        | 38 Lbs, Maximum    |
| 4) Sunlight Resistance | Yes                |

**E. Electrical Properties**

(For Engineering purposes only)

- |                   |   |
|-------------------|---|
| 1) Voltage Rating | 300 V <sub>RMS</sub>                            |
| 2) Capacitance    | 33 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance     | 0.18 µH/ft, Nominal                             |
| 4) Conductor DCR  | 7.2 Ω/1000ft @20°C, Nominal                     |

**F. Other**

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

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