

ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 25296
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Issue: 13
Issue Date: 12/20/2012
Effective Date: 1/4/2013

A. Construction

Diameters (In)

- | | | | |
|----|----------------|-------------------------|-------|
| 1) | Component 1 | 6 X 1 PAIR | |
| | a) Conductor | 20 (7/28) AWG TC | 0.038 |
| | b) Insulation | 0.016" Wall, Nom. PVC | 0.070 |
| | (1) Color Code | Alpha Wire Color Code A | |

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN	5	BLACK-BROWN
2	BLACK-WHITE	4	BLACK-BLUE	6	BLACK-YELLOW

- | | | | |
|----|----------------|---|--------------------|
| c) | Pair | 2/Cond Cabled Together | |
| | (1) Twists: | 6.0 Twists/foot (min) | |
| 2) | Cable Assembly | 6 Components Cabled | |
| | a) Twists: | 3.0 Twists/foot (min) | |
| | b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) | Shield: | A/P/A Tape, 25% Overlap, Min. | |
| | a) Drain Wire | 20 (7/28) AWG TC | |
| | b) Braid | TC, 70% Coverage, Min. | |
| 4) | Jacket | 0.032" Wall, Nom., Polyurethane (TPU) | 0.443 (0.461 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 25296 | |

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 1569 | 105°C / 300 V _{RMS} |
| | b) Overall | AWM/STYLE 20668 | 90°C / 300 V _{RMS} |
| | | VW-1 | |
| 2) | CSA International | AWM I/II A/B | 90°C / 300 V _{RMS} |
| | | FT1 | |
| 3) | CE: | EU Low Voltage Directive 2006/95/EC | |

C. Environmental Compliance

- | | | | |
|----|----------------------------------|--|--|
| 1) | CE: | EU Directive 2011/65/EU(RoHS2): | |
| | | 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 RoHS C of C . | |
| 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 Alpha's REACH SVHC Declaration . | |
| 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 | 120 Lbs, Maximum | |
| 4) | Sunlight Resistance | Yes | |

E. Electrical Properties

- | | | |
|----|--------------------|---------------------------------|
| | | (For Engineering purposes only) |
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Mutual Capacitance | 32 pf/ft @1 kHz, Nominal |

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|-----------------------------|--------------------------------------|
| 3) Ground Capacitance | 58 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 70 Ω |
| 5) Inductance | 0.19 μ H/ft, Nominal |
| 6) Conductor DCR | 10.4 Ω /1000ft @20°C, Nominal |
| 7) OA Shield DCR | 2.28 Ω /1000ft @20°C, Nominal |

F. Other

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

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