

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 25162
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Issue: 13
Issue Date: 12/20/2012
Effective Date: 1/4/2013

A. Construction

Diameters (In)

- | | | |
|----------------|-------------------------|-------|
| 1) Component 1 | 2 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		

- | | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 6.9 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Shield: | A/P/A Tape, 25% Overlap, Min. | |
| a) Drain Wire | 18 (16/30) AWG TC | |
| b) Braid | TC, 70% Coverage, Min. | |
| 4) Jacket | 0.032" Wall, Nom., Polyurethane (TPU) | 0.254 (0.265 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 25162
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
VW-1 | 90°C / 300 V _{RMS} |
| 2) CSA International | AWM I/II A/B | 90°C / 300 V _{RMS} |
| 3) CE: | FT1
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 | 42 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

E. Electrical Properties (For Engineering purposes only)

- | | |
|-----------------------------|--|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 57 pf/ft @ 1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 103 pf/ft @ 1 kHz, Nominal |
| 4) Characteristic Impedance | 40 Ω |

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|------------------|-------------------------------------|
| 5) Inductance | 0.18 μ H/ft, Nominal |
| 6) Conductor DCR | 7.2 Ω /1000ft @20°C, Nominal |
| 7) OA Shield DCR | 2.6 Ω /1000ft @20°C, Nominal |

F. Other

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

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