

Customer Specification

PART NO. 25100

Construction

| | | Diameters (In) | | | |
|-------------------|--------|--|--------|--------------------|-------|
| 1) Component 1 | | 10 X 1 COND | | | |
| a) Conductor | | 24 (7/32) AWG TC | | 0.024 | |
| b) Insulation | | 0.010" Wall, Nom. PVC, Semi Rigid | | 0.044 | |
| (1) Color Code | | Alpha Wire Color Code E | | | |
| Cond | Color | Cond | Color | Cond | Color |
| 1 | BLACK | 5 | YELLOW | 9 | SLATE |
| 2 | BROWN | 6 | GREEN | 10 | WHITE |
| 3 | RED | 7 | BLUE | | |
| 4 | ORANGE | 8 | VIOLET | | |
| 2) Cable Assembly | | 10 Components Cabled | | | |
| a) Twists: | | 6.0 Twists/foot (min) | | | |
| b) Core Wrap | | Nonwoven Polyester 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., Polyurethane (TPU) | | 0.248 (0.262 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 25100 XTRAGUARD(R) 2 RU AWM 20668 VW-1 --- LLXXXXXX CSA AWM IA/B IIA/B 90C 300 VOLTS FT1 CE ROHS (SEQ FOOTAGE) * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> | | | |

Applicable Specifications

| | | |
|----------------------|-----------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 10002 | 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: | | |
| | LVD 73/23/EEC Amendment 93/68/EEC | |

Environmental

| | |
|-------------------------------------|--|
| 1) EU Directive 2002/95/EC(RoHS): | |
| | All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture. |
| 2) REACH Regulation (EC 1907/2006): | |
| | This product does not contain any of the substances listed on the 13 January 2010 European Union's REACH Substance of Very High Concern (SVHC) candidate list in excess of 0.1% mass of the item. |
| 3) California Proposition 65: | |
| | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |

Properties

| | |
|---|---|
| Physical & Mechanical Properties | |
| 1) Temperature Range | -30 to 90°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 39 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 32 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 58 pf/ft @1 kHz, Nominal |
| 4) Inductance | 0.19 μH/ft, Nominal |
| 5) Conductor DCR | 26 /1000ft @20°C, Nominal |
| 6) OA Shield DCR | 16 /1000ft @20°C, Nominal |

Other

| | |
|------------------------|---|
| Packaging | Flange x Traverse x Barrel (inches) |
| a) 1000 FT | 12 x 12 x 3.5 Continuous length |
| b) 500 FT | 12 x 6 x 3.5 Continuous length |
| c) Bulk(Made-to-order) | |
| | <i>[Spool dimensions may vary slightly]</i> |

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742)

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:25100

25100 , RoHS-Compliant Commencing With8/1/2005Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

| Substance | Maximum Control Value |
|---|------------------------------|
| Lead | 0.1% by weight (1000 ppm) |
| Mercury | 0.1% by weight (1000 ppm) |
| Cadmium | 0.1% by weight (100 ppm) |
| Hexavalent Chromium | 0.1% by weight (1000 ppm) |
| Polybrominated Biphenyls (PBB) | 0.1% by weight (1000 ppm) |
| Polybrominated Diphenyl Ethers (PBDE) Including Deca-BDE | 0.1% by weight (1000 ppm) |

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA

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