

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: 25289/27
Page 1 of 2 Pages

Issue: 10
Issue Date: 12/20/2012
Effective Date: 1/4/2013

A. Construction

Diameters (In)

- | | | |
|----------------|-------------------------|-------|
| 1) Component 1 | 27 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	10	RED-BLUE	19	WHITE-BLUE
2	BLACK-WHITE	11	RED-YELLOW	20	WHITE-BROWN
3	BLACK-GREEN	12	RED-BROWN	21	WHITE-ORANGE
4	BLACK-BLUE	13	RED-ORANGE	22	WHITE-YELLOW
5	BLACK-BROWN	14	GREEN-BLUE	23	BLUE-BROWN
6	BLACK-YELLOW	15	GREEN-WHITE	24	BLUE-ORANGE
7	BLACK-ORANGE	16	GREEN-BROWN	25	BLUE-YELLOW
8	RED-GREEN	17	GREEN-ORANGE	26	BROWN-ORANGE
9	RED-WHITE	18	GREEN-YELLOW	27	BROWN-YELLOW

- | | | |
|-------------------|---|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 6.0 Twists/foot (min) | |
| 2) Cable Assembly | 27 Components Cabled | |
| a) Twists: | 1.4 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.083" Wall, Nom., Polyurethane (TPU) | 0.877 (0.912 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 25289/27 | |
| | 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 | 472 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability. Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 25289/27
Page 2 of 2 Pages

Issue: 10
Issue Date: 12/20/2012
Effective Date: 1/4/2013

- E. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
 - 2) Mutual Capacitance 30 pf/ft @1 kHz, Nominal
 - 3) Characteristic Impedance 73 Ω
 - 4) Inductance 0.19 μ H/ft, Nominal
 - 5) Conductor DCR 10.4 Ω /1000ft @20°C, Nominal
- F. Other**
- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) Bulk(Made-to-order)

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com