

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: 5013C
Page 1 of 2 Pages

Issue: 14
Issue Date: 10/1/2014
Effective Date: 10/1/2014

A. Construction

Diameters (In)

- | | | |
|----------------|-----------------------------------|-------|
| 1) Component 1 | 3 X 1 COND | |
| a) Conductor | 24 (7/32) AWG Tinned Copper | 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	2	BROWN	3	RED

- | | | |
|-------------------|---|--------------------|
| 2) Cable Assembly | 3 Components Cabled | |
| a) Twists: | 12.0 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.032" Wall, Nom.,PVC | 0.163 (0.173 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 5013C 3C 24 AWG | |

XTRAGUARD(R) 1 (UL) TYPE CM 105C OR AWM 2464 80C
300V OR AWM 21894 105C 300V SUN RES 60C OIL
VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4
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 10002 | 105°C / 300 V _{RMS} |
| b) Overall | AWM/STYLE 21894 | 105°C / 300 V _{RMS} |
| | SUN RES | |
| | 60C OIL | |
| | AWM/STYLE 2464 | 80°C / 300 V _{RMS} |
| | CM | 105°C |
| | VW-1 | |
| 2) CSA International | CMG | 105°C |
| | FT4 | |
| 3) IEC | EN 60332-1 Flame Behavior | |
| | EN 60332-2 Flame Behavior | |
| 4) 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 | -35 to 105°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 10.6 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: 5013C
Page 2 of 2 Pages

Issue: 14
Issue Date: 10/1/2014
Effective Date: 10/1/2014

- E. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
 - 2) Capacitance 21.8 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Inductance 0.19 µH/ft, Nominal
 - 4) Conductor DCR 26 Ω/1000ft @20°C, Nominal
- F. Other**
- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 1000 FT 12 x 4.5 x 3.5 Continuous length
 - b) 500 FT 12 x 4.5 x 3.5 Continuous length
 - c) 100 FT 6.5 x 2 x 1.9 Continuous length
 - d) Bulk(Made-to-order)
- [Spool dimensions may vary slightly]*

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.