

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 17-1041
Page 1 of 2 Pages

Issue: 1
Issue Date: 2/10/2017
Effective Date: 4/7/2017

A. Construction

- | | | |
|----------------|------------------------------|-----------------------|
| 1) Component 1 | 2 X 1 COND | <u>Diameters (In)</u> |
| a) Conductor | 14 (41/30) AWG Tinned Copper | |
| b) Insulation | 0.013" Wall, Nom. MPPE | 0.070 |
| (1) Color Code | Alpha Wire Color Code D | 0.096 |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		

- | | | |
|-------------------|--|---------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 5.3 Twists/foot (min) | |
| b) Orientation: | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER | |
| c) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.032" Wall, Nom., MPPE | |
| a) Color(s) | BLACK | 0.260" (0.271 Max.) |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N 17-1041 2C 14 AWG | |
| | RU AWM 21915 105C 600V | |
| | C(RU) AWM I/II A/B FT2 600V 105C | |
| | CE ROHS (SEQ FOOTAGE) | |
| | * = Factory Code | |

← INCH ADDED

B. Applicable Specifications

- | | |
|----------------------|-------------------------------------|
| 1) UL | |
| a) Component 1 | AWM/STYLE 11231 |
| b) Overall | AWM/STYLE 21915 |
| | Horizontal Flame |
| 2) CSA International | C(RU) AWM I/II A/B FT2 |
| 3) Other | Halogen-Free |
| 4) CE: | EU Low Voltage Directive 2014/35/EC |

105°C / 600 V_{RMS}
105°C / 600 V_{RMS}
105°C / 600 V_{RMS}

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.
The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
- 3) California Proposition 65:

D. Physical & Mechanical Properties

- | | |
|----------------------|---------------------------------|
| 1) Temperature Range | -50 to 105°C |
| 2) Bend Radius | 6X Cable Diameter |
| 3) Pull Tension | 64 Lbs, Maximum |
| | (For Engineering purposes only) |

E. Electrical Properties

- | | |
|-----------------------------|---|
| 1) Voltage Rating | 600 V _{RMS} |
| 2) Capacitance | 19.9 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Characteristic Impedance | 72 Ω |
| 4) Inductance | 0.15 μH/ft, Nominal |
| 5) Conductor DCR | 2.8 Ω/1000ft @20°C, Nominal |

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.

All information contained herein is proprietary. Its use is restricted to Alpha Wire personnel or authorized Distributors and End-Users of Alpha Wire. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 17-1041
Page 2 of 2 Pages

Issue: 1
Issue Date: 2/10/2017
Effective Date: 4/7/2017

F. Other

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

This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.

Accepted By: <i>T. Bandra</i>	Date: <i>FEB. 10, 2017</i>
Company: <i>FUTURECOM</i>	Title: <i>SR. STAFF ENGINEER</i>

PROPRIETARY

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. All information contained herein is proprietary. Its use is restricted to Alpha Wire personnel or authorized Distributors and End-Users of Alpha Wire. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.