

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 518430
Page 1 of 2 Pages

Issue: 1
Issue Date: 8/20/2014
Effective Date: 10/15/2014

A. Construction

Diameters (In)

- | | | |
|----------------|------------------------------|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 14 (41/30) AWG Tinned Copper | 0.070 |
| b) Insulation | 0.013" Wall, Nom. MPPE | 0.096 |
| (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	BLUE	2	BROWN		

- | | | |
|-------------------|--|--------------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 5.3 Twists/foot (min) | |
| b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Jacket | 0.032" Wall, Nom.,MPPE | 0.260 (0.271 Max.) |
| a) Color(s) | SLATE | |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N 518430 2C 14 AWG
RU AWM 21915 105C 600V
C(RU) AWM I/II A/B FT2 600V 105C
CE ROHS (SEQ FOOTAGE)
* = Factory Code | |

B. Applicable Specifications

- | | | |
|----------------------|-------------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 11231 | 105°C / 600 V _{RMS} |
| b) Overall | AWM/STYLE 21915 | 105°C / 600 V _{RMS} |
| | Horizontal Flame | |
| 2) CSA International | C(RU) AWM I/II A/B FT2 | 105°C / 600 V _{RMS} |
| 3) Other | Halogen-Free | |
| 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 . |

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 |

F. Other

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

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

Accepted By:	Date:
Company:	Title:

PROPRIETARY

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