

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 16-2343
Page 1 of 2 Pages

Issue: 1
Issue Date: 8/10/2016
Effective Date: 10/5/2016

A. Construction

- | | | | |
|----------------|------------------------------|--|-----------------------|
| | | | Diameters (In) |
| 1) Component 1 | 6 X 1 PAIR | | |
| a) Conductor | 26 (19/38) AWG Tinned Copper | | 0.021 |
| b) Insulation | 0.010" Wall, Nom. MPPE | | 0.041 |
| (1) Color(s) | | | |

Pair	Color	Pair	Color	Pair	Color
1	BLUE-ORANGE	3	GRAY-WHITE	5	PINK-TAN
2	GREEN-BROWN	4	RED-BLACK	6	YELLOW-VIOLET

- | | | |
|-------------------|--|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 12.0 Twists/foot (min) | |
| 2) Cable Assembly | 6 Components Cabled | |
| a) Twists: | 4.0 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) Shield: | A/P/A Tape, 25% Overlap, Min. | |
| a) Drain Wire | 26 (7/34) AWG Tinned Copper | |
| b) Braid | Tinned Copper, 70% Coverage, Min. | |
| 4) Jacket | 0.032" Wall, Nom., MPPE | 0.298 (0.315 Max.) |
| a) Color(s) | SLATE | |
| b) Ripcord | 1 End 810 Denier Nylon | |
| c) Print | ALPHA WIRE-* P/N 16-2343 6PR 26 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 | AWM/STYLE 21915 | 105°C / 600 V _{RMS} |
| 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 2014/35/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 | 10X Cable Diameter |
| 3) Pull Tension | 35 Lbs, Maximum |

E. Electrical Properties (For Engineering purposes only)

- | | |
|-----------------------------|----------------------------|
| 1) Voltage Rating | 600 V _{RMS} |
| 2) Mutual Capacitance | 15.6 pF/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 28 pF/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 101 Ω |

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- 5) Inductance 0.2 μ H/ft, Nominal
- 6) Conductor DCR 38 Ω /1000ft @20°C, Nominal
- 7) OA Shield DCR 3.5 Ω /1000ft @20°C, Nominal

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>SCOTT BLANC</i>	Date: <i>8/15/16</i>
Company: <i>NORTECH SYSTEMS</i>	Title: <i>PRINCIPAL ENGINEER</i>

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