

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 19-2208
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Issue: 1
Issue Date: 2/4/2020
Effective Date: 2/18/2020

A. Construction

Diameters (In)

- | | | |
|----------------|--|-------|
| 1) Component 1 | 2 X 1 COND | |
| a) Conductor | 12 (65/30) AWG Tinned Copper | 0.093 |
| b) Insulation | 0.012" Wall, Nom. Modified Polyphenylene Ether | 0.117 |
| (1) Color Code | Alpha Wire Color Code D | |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		

- | | | |
|---------------------|--|----------------|
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 4.4 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 | 14 (41/30) AWG Tinned Copper | |
| a) Braid | Tinned Copper, 70% Coverage, Min. | |
| 4) Jacket | 0.035" Wall, Nom., MPPE | 0.339+/- 0.011 |
| a) Color(s) | SLATE | |
| b) Jacket Separator | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| c) Print | ALPHA WIRE-* P/N 19-2208 2C 12 AWG
RU AWM 21819 105C 600V OR 21492 80C 300V
VW-1 CLASS K C(RU) AWM I/II A/B FT1 600V 105C
CE ROHS (SEQ FOOTAGE)
* = Factory Code | |

B. Applicable Specifications

- | | | |
|----------------------|--|-------------------------------|
| 1) UL | AWM/STYLE 21819 | 105°C / 600 V _{RMS} |
| | AWM/STYLE 21492 | 80°C / 300 V _{RMS} |
| | VW-1 | |
| 2) CSA International | C(RU) AWM I/II A/B FT1 | 105°C / 600V V _{RMS} |
| 3) Other | Halogen-Free
NFPA 79 - 2015 Compliant | |
| 4) CE: | EU Low Voltage Directive 2014/35/EU | |

C. Environmental Compliance

- | | |
|-------------------------------------|--|
| 1) CE: | EU Directive 2011/65/EU (RoHS2), EU Directive 2015/863/EU (RoHS3):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015. 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: | Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information. |

D. Physical & Mechanical Properties

- | | |
|----------------------|---|
| 1) Temperature Range | -40 to 105°C (static), -5 to 105°C (dynamic) |
| 2) Bend Radius | 6X Cable Diameter (static), 8X Cable Diameter (dynamic) |
| 3) Pull Tension | 139 Lbs, Maximum |

E. Electrical Properties

- | | |
|-----------------------|--|
| | (For Engineering purposes only) |
| 1) Voltage Rating | 600 V _{RMS} |
| 2) Capacitance | 52 pF/ft @ 1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 94 pF/ft @ 1 kHz, Nominal |

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- 4) Characteristic Impedance 32 Ω
- 5) Inductance 0.14 $\mu\text{H}/\text{ft}$, Nominal
- 6) Conductor DCR 1.77 $\Omega/1000\text{ft}$ @20°C, Nominal
- 7) OA Shield DCR 1.59 $\Omega/1000\text{ft}$ @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:	Date:
Company:	Title:

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