

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: DA7359
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Issue: 4
Issue Date: 10/29/2021
Effective Date: 1/1/2022

A. Construction

- | | | <u>Diameters (In)</u> | |
|----------------|------------------------------|-----------------------|--|
| 1) Component 1 | 5 X 1 COND | | |
| a) Conductor | 20 (19/32) AWG Tinned Copper | 0.040 | |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.072 | |
| (1) Color Code | Alpha Wire Color Code P | | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE	3	RED	5	BLUE
2	BLACK	4	GREEN		

- | | | |
|-------------------|--|----------------|
| 2) Cable Assembly | 5 Components Cabled | |
| a) Twists: | 4.4 Twists/foot (min) | |
| b) Orientation: | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER | |
| c) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) Shield | Tinned Copper BRAID Shield, 85% Coverage, Min. | |
| 4) Jacket | 0.032" Wall, Nom., PVC | 0.284+/- 0.012 |
| a) Color(s) | SLATE | |
| b) Print | 20 AWG EXXXXX (UL) TYPE CL2 90C OR AWM STYLE 2464
LLXXXXX CSA AWM II A/B 90C 300V FT4 | |

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- | | | |
|----------------------|----------------|-----------------------------|
| 1) UL | CL2 | 90°C |
| | AWM/STYLE 2464 | 80°C / 300 V _{RMS} |
| 2) CSA International | AWM II A/B | 90°C / 300 V _{RMS} |
| | FT4 | |

C. Environmental Compliance

D. Physical & Mechanical Properties

- | | |
|---------------------------------|---------------------------------|
| 1) Temperature Range | -20 to 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 52 Lbs, Maximum |
| E. Electrical Properties | (For Engineering purposes only) |

- | | |
|-----------------------|---|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 48 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 86 pF/ft @1 kHz, Nominal |
| 4) Inductance | 0.19 µH/ft, Nominal |
| 5) Conductor DCR | 9.4 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 5.6 Ω/1000ft @20°C, Nominal |

F. Other

- | | |
|--------------|---|
| 1) Packaging | Flange x Traverse x Barrel (inches) |
| a) 1000 FT | 18 x 9 x 8 Continuous length |
| | <i>[Spool dimensions may vary slightly]</i> |

This Design is custom, Made-To-Order and requires review by a qualified party at the customer.

Accepted By:	Date:
Company:	Title:

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