

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9058AC
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Issue: 6
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A. Construction

Diameters (In)

- | | | |
|----------------|------------------------------------|-------|
| 1) Component 1 | 1 X 1 COND | |
| a) Conductor | 21 (19/.0071) AWG Tinned Copper | 0.036 |
| b) Insulation | 0.040" Wall, Nom. Polyethylene(PE) | 0.116 |
| (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	CLEAR				

- | | | |
|-------------|--|----------------|
| 2) Shield | Tinned Copper BRAID Shield,95% Coverage, Min. | |
| 3) Jacket | 0.028" Wall, Nom.,Type I PVC | 0.195+/- 0.004 |
| a) Color(s) | BLACK | |
| b) Print | ALPHA WIRE P/N 9058AC
RG 58A/U - E108998-* 21 AWG (UL) TYPE CMX SHIELDED
CE ROHS
* = Factory Code | |

B. Applicable Specifications

- | | | |
|-------------|-------------------------------------|------|
| 1) UL | CMX | 60°C |
| 2) Military | JAN-C-17A/RG 58A/U TYPE | |
| 3) 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. |
| 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. |
| 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 | -20 to 60°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 12.1 Lbs, Maximum |
| E. Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 1400 V _{RMS} |
| 2) Characteristic Impedance | 50 Ω +/- 2 |
| 3) Ground Capacitance | 30.8 pF/ft @1 kHz, Nominal |
| 4) Velocity of Propagation | 66 % |
| 5) Conductor DCR | 11.9 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 4.5 Ω/1000ft @20°C, Nominal |
| 7) Voltage Withstanding | 5 kVrms, Minimum |
| 8) Corona Extinction | 1.9 kVrms, Minimum |
| 9) Attenuation, Max dB/100ft | 5.8 @ 100 MHz
28 @ 1 GHz |

F. Other

- | | |
|---------------|-------------------------------------|
| 1) Packaging | Flange x Traverse x Barrel (inches) |
| a) 2500 FT | 16 x 11 x 8 Continuous length |
| b) 1000 FT | 12 x 6 x 3.5 Continuous length |
| c) BOX 1000FT | 11-3/4 EASY REEL: Continuous length |
| d) 500 FT | 12 x 4.5 x 3.5 Continuous length |
| e) 100 FT | 6.5 x 4 x 2.5 Continuous length |
- [Spool dimensions may vary slightly]*

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