

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9434
Page 1 of 1 Pages

Issue: 1
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A. Construction

Diameters (In)

- | | | |
|----------------|-------------------------------------|--------|
| 1) Component 1 | 1 X 1 COND | |
| a) Conductor | 34 (7/42) AWG Silver Platted Copper | 0.0074 |
| b) Insulation | 0.0063" Wall, Nom. PFA | 0.020 |
| (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	NATURAL				

- | | | |
|-------------|---|-------|
| 2) Shield | Silver Platted Copper BRAID Shield,90% Coverage, Min. | |
| 3) Jacket | 0.005" Wall, Nom.,PFA | 0.039 |
| a) Color(s) | WHITE | |

B. Applicable Specifications

- | | | |
|--------|-------------------------------------|----------------------------|
| 1) UL | AWM/STYLE 1745 | 90°C / 30 V _{RMS} |
| 2) 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 | -70 to 200°C |
| 2) Bend Radius | 10X Cable Diameter |

E. Electrical Properties

- | | |
|---------------------------------|----------------------------|
| (For Engineering purposes only) | |
| 1) Voltage Rating | 30 V _{RMS} |
| 2) Characteristic Impedance | 50 Ω +/- 2 |
| 3) Ground Capacitance | 29.9 pF/ft @1 kHz, Nominal |
| 4) Velocity of Propagation | 70 % |
| 5) Conductor DCR | 271.9 Ω/1000ft @20°C, Max |
| 6) Attenuation, Max dB/100ft | 5.5 @ 10 MHz |

F. Other

- | | |
|--------------|---|
| 1) Packaging | Flange x Traverse x Barrel (inches) |
| a) 328 FT | 5.12 x 3.54 x 2.36 Continuous length
<i>[Spool dimensions may vary slightly]</i> |

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