

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9442
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Issue: 1
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- | | | |
|------------------------|-----------------------------------|-----------------------|
| A. Construction | | Diameters (In) |
| 1) Component 1 | 1 X 1 COND | |
| a) Conductor | 42 (7/50) AWG Silver Copper Alloy | 0.0030 |
| b) Insulation | 0.0024" Wall, Nom. PFA | 0.0077 |
| (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	NATURAL				

- | | | |
|-------------|--|--------|
| 2) Shield | Tinned Copper Alloy SPIRAL Shield,90% Coverage, Min. | |
| 3) Jacket | 0.0012" Wall, Nom.,PFA | 0.0120 |
| a) Color(s) | WHITE | |

B. Applicable Specifications

- 1) 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 150°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 +/- 5
3) Ground Capacitance 33.6 pF/ft @1 kHz, Nominal
4) Velocity of Propagation 69 %
5) Conductor DCR 2286 Ω/1000ft @20°C, Max
6) Attenuation, Max dB/100ft 21.3 @ 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
[Spool dimensions may vary slightly]

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