

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 9450**  
**Page 1 of 1 Pages**

**Issue: 1**  
**Issue Date: 1/28/2016**  
**Effective Date: 2/10/2016**

- |                        |                                   |                       |
|------------------------|-----------------------------------|-----------------------|
| <b>A. Construction</b> |                                   | <b>Diameters (In)</b> |
| 1) Component 1         | 1 X 1 COND                        |                       |
| a) Conductor           | 50 (7/58) AWG Silver Copper Alloy | 0.0012                |
| b) Insulation          | 0.0008" Wall, Nom. PFA            | 0.0029                |
| (1) Color(s)           |                                   |                       |

Cond	Color	Cond	Color	Cond	Color
1	NATURAL				

- |             |  |        |
|-------------|--|--------|
| 2) Shield   | Silver Platted Copper Alloy SPIRAL Shield,90% Coverage, Min. |        |
| 3) Jacket   | 0.0009" Wall, Nom.,PFA                                       | 0.0059 |
| 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 200°C  
2) Bend Radius 10X Cable Diameter

**E. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 30 V<sub>RMS</sub>  
2) Characteristic Impedance 50 Ω +/- 5  
3) Ground Capacitance 38.1 pF/ft @1 kHz, Nominal  
4) Velocity of Propagation 69 %  
5) Conductor DCR 11430 Ω/1000ft @20°C, Max  
6) Attenuation, Max dB/100ft 85.3 @ 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]*

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability. Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.