

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9448
Page 1 of 1 Pages

Issue: 1
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A. Construction

Diameters (In)

- | | | |
|----------------|-----------------------------------|--------|
| 1) Component 1 | 1 X 1 COND | |
| a) Conductor | 48 (7/56) AWG Silver Copper Alloy | 0.0015 |
| b) Insulation | 0.0011" Wall, Nom. PFA | 0.0037 |
| (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 | 0.0068 |
| 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_{RMS}
2) Characteristic Impedance 50 Ω +/- 5
3) Ground Capacitance 36.6 pF/ft @1 kHz, Nominal
4) Velocity of Propagation 69 %
5) Conductor DCR 7010.4 Ω/1000ft @20°C, Max
6) Attenuation, Max dB/100ft 61 @ 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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