

# Especificación de Cliente

## NO. DE PIEZA 25124

### Construction

						Diameters (In)		
1) Component 1						4 X 1 PAIR		
a) Conductor						22 (7/30) AWG Tinned Copper		0.030
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid		0.050
(1) Color Code						Alpha Wire Color Code B		
Pair	Color	Pair	Color	Pair	Color			
1	WHITE-BLACK	3	WHITE-RED					
2	WHITE-BROWN	4	WHITE-ORANGE					
c) Pair						2/Cond Cabled Together		
(1) Twists:						8.0 Twists/foot (min)		
2) Cable Assembly						4 Components Cabled		
a) Twists:						4.4 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
c) Core Wrap						Nonwoven Polyester Tape, 25% Overlap, Min.		
3) Shield:						A/P/A Tape, 25% Overlap, Min.		
a) Drain Wire						22 (7/30) AWG Tinned Copper		
b) Braid						Tinned Copper, 70% Coverage, Nom.		
4) Jacket						0.032" Wall, Nom., Polyurethane (TPU)		0.295 (0.310 Max.)
a) Color(s)						Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White		
b) Ripcord						1 End 810 Denier Nylon		
c) Print						ALPHA WIRE-* P/N 25124 XTRAGUARD(R) 2 RU AWM 20668 VW-1 OR CRU AWM I/II A/B 90C 300 VOLTS FT1 CE ROHS (SEQ FOOTAGE) * = Factory Code		

### Applicable Specifications

--	--

1) UL		
a) Component 1	AWM/STYLE 10002	105°C / 300 V <sub>RMS</sub>
b) Overall	AWM/STYLE 20668	90°C / 300 V <sub>RMS</sub>
	VW-1	
2) CSA International	AWM I/II A/B	90°C / 300 V <sub>RMS</sub>
	FT1	
3) CE:	EU Low Voltage Directive 2014/35/EU	

## Environmental

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) California Proposition 65:	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.

## Properties

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-30 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	54 Lbs, Maximum
4) Sunlight Resistance	Yes
<b>Electrical Properties</b>	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Mutual Capacitance	26 pF/ft @1 kHz, Nominal
3) Ground Capacitance	47 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	71 Ω
5) Inductance	0.18 μH/ft, Nominal
6) Conductor DCR	16.6 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	3 Ω/1000ft @20°C, Nominal

## Other

--

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 9 x 8 Continuous length
b) 500 FT	12 x 10.5 x 5 Continuous length
c) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

[www.alphawire.com](http://www.alphawire.com)

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Aunque el Alambre Alfa ('Alfa') haga cada esfuerzo razonable para asegurar allí exactitud en el momento de publicación, información y especificaciones descritas aquí son sujetos a errores u omisiones y a cambios sin el aviso, y el listado de tal información y especificaciones no asegura la disponibilidad de producto.

La alfa proporciona la información y especificaciones aquí en un 'COMO ES' base, sin representaciones o garantías, si expreso, estatutario o implicado. Nunca va a Alfa ser obligado de cualquier daño (incluso consiguiente, indirecto, secundario, especial, punitivo, o ejemplar) independientemente de, aun si la Alfa hubiera sido informada de la posibilidad de tales daños, si en una acción conforme a contrato, negligencia o cualquier otra teoría, levantándose de o en relación al uso, o inhabilidad de usar, la información o especificaciones descrito aquí.

ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. <br /><br />  
©2019 ALPHA WIRE - all rights reserved.



2200 US Highway 27 South  
Richmond, IN 47374  
Tel: 1-800-52 ALPHA  
Web: [www.alphawire.com](http://www.alphawire.com)

# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 25124

25124, RoHS-Compliant Commencing With 01/08/2005 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Union (RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitions and **Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control"

### Substance

Lead  
Mercury  
Cadmium  
Hexavalent Chromium  
Polybrominated Biphenyls (PBB)  
Polybrominated Diphenyl Ethers (PBDE),  
Including Deca-BDE  
Bis(2-ethylhexyl) phthalate (DEHP)  
Butyl benzyl phthalate (BBP)  
Dibutyl phthalate (DBP)  
Diisobutyl phthalate (DIBP)

### Maximum Control Value

0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.01% by weight (100 ppm)  
0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of this document. This document is intended to be used as a guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is to provide Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulatory requirements. Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA 13/03/2026

Alpha Wire  
711 Lidgerwood Ave.  
Elizabeth, NJ 07207  
Tel: 1-908-925-8000