

## Especificación de Cliente

### NO. DE PIEZA M1140

### Construction

						Diameters (In)	
1) Component 1						20 X 1 COND	
a) Conductor						20 (26/34) AWG Tinned Copper	
b) Insulation						0.016" Wall, Nom. Polyethylene(PE)	
(1) Color Code						Alpha Wire Color Code H	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	8	ORANGE	15	WHITE/BLU		
2	WHITE	9	SLATE	16	WHITE/BRC		
3	RED	10	VIOLET	17	WHITE/VIO		
4	GREEN	11	WHITE/BLA	18	WHITE/SLA		
5	YELLOW	12	WHITE/RED	19	BLACK/RED		
6	BLUE	13	WHITE/GRE	20	BLACK/YEL		
7	BROWN	14	WHITE/YEL				
2) Cable Assembly						20 Components Cabled	
a) Twists:						2.3 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
3) Shield						Tinned Copper BRAID Shield,90% Coverage, Min.	
4) Jacket						0.035" Wall, Nom.,PVC	
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N M1140 20C 20 AWG TYPE CM (UL) 75C OR AWM 2094 CE ROHS * = Factory Code	
						0.464 (0.483 Max.)	

### Applicable Specifications

1) UL	AWM/STYLE 2094	60°C / 300 V <sub>RMS</sub>
	CM	75°C
2) 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) 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.
3) 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	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	162 Lbs, Maximum
<b>Electrical Properties</b>	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	21.7 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	39 pF/ft @1 kHz, Nominal
4) Inductance	0.19 μH/ft, Nominal
5) Conductor DCR	11.2 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 500 FT	18 x 14.25 x 8 Continuous length
c) 100 FT	12 x 5.94 x 5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M1140

M1140, RoHS-Compliant Commencing With 01/11/2004 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 limits. **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)
- 0.1% by weight (1000 ppm)
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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 issuance. This document is intended to provide guidance 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 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 02/04/2026

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