

## Customer Specification

### PART NO. M1251

### Construction

		Diameters (In)			
1) Component 1		1 X 1 COND			
a) Conductor		16 (19/29) AWG Silver Plated Copper			
b) Insulation		0.012" Wall, Nom. PTFE			
(1) Color Code		Alpha Wire Color Code P			
Cond	Color	Cond	Color	Cond	Color
1	WHITE				
2) Shield		Silver Platted Copper BRAID Shield,85% Coverage, Min.			
3) Jacket		0.010" Wall, Nom.,PTFE Tape			
a) Color(s)		WHITE			

### Applicable Specifications

1) Military			
a) Component 1		MIL-W-16878/4 (Type E)	200°C / 600 V <sub>RMS</sub>
2) Other			
a) Component 1		NEMA HP3-EXBJE	200°C / 600 V <sub>RMS</sub>
3) CE:		EU Low Voltage Directive 2014/35/EU	

### Environmental

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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

Physical & Mechanical Properties	
1) Temperature Range	-55 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	19.1 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Ground Capacitance	85 pF/ft @1 kHz, Nominal
3) Inductance	0.022 μH/ft, Nominal
4) Conductor DCR	4.4 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	Put-ups may contain multiple pieces, 100 ft min length.

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

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# EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M1251

M1251, RoHS-Compliant Commencing With 7/1/2005 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2002/95/EC (RoHS Directive) (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This document extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). These Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item** compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	0.1% by weight (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	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 a general 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 is not to provide a warranty or guarantee of any kind. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislative requirements to their specific product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 4/12/2024

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