



Customer Specification

PART NO. 79230

Construction

						Diameters (In)
1) Component 1						9 X 1 COND
a) Conductor						14 (41/30) AWG Tinned Copper
b) Insulation						0.011" Wall, Nom. Modified Polyphenylene Ether
(1) Color Code						Alpha Wire Color Code D
Cond	Color	Cond	Color	Cond	Color	
1	BLACK	4	GREEN	7	BROWN	
2	RED	5	ORANGE	8	YELLOW	
3	WHITE	6	BLUE	9	VIOLET	
2) Cable Assembly						9 Components Cabled
a) Twists:						2.7 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) Braid						Tinned Copper, 70% Coverage, Min.
4) Jacket						0.035" Wall, Nom., MPPE
a) Color(s)						SLATE
b) Jacket Separator						Nonwoven Polyester Tape, 25% Overlap, Min.
c) Print						ALPHA WIRE-* P/N 79230 9C 14 AWG ECOFLEX(TM) RU AWM 21819 105C 600V OR 21492 80C 300V VW-1 CLASS K C(RU) AWM I/II A/B FT1 600V 105C CE ROHS (SEQ FOOTAGE) * = Factory Code

Applicable Specifications

1) UL	AWM/STYLE 21819	105°C / 600 V _{RMS}
	AWM/STYLE 21492	80°C / 300 V _{RMS}
	VW-1	
2) CSA International	C(RU) AWM I/II A/B FT1	105°C / 600V V _{RMS}
3) Other	Halogen-Free	
	NFPA 79 - 2015 Compliant	
4) 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

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C(static), -5 to 105°C (dynamic)
2) Bend Radius	6X Cable Diameter(static), 8X Cable Diameter(dynamic)
3) Pull Tension	296 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Capacitance	41 pF/ft @ 1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	74 pF/ft @ 1 kHz, Nominal
4) Inductance	0.15 µH/ft, Nominal
5) Conductor DCR	2.8 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	2.9 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) 100 FT	18 x 9 x 8 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 79230

79230, RoHS-Compliant Commencing With 10/23/2012 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 2011/65/EU (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 also certifies that the product complies with Directive 2015/863/EU which amends Directive 2011/65/EU by adding lead to the list of restricted substances. The list of restricted substances now includes 10 items (commonly known as RoHS 3). The table below provides the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item**. This product also complies 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. It is not 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 of this document is to provide specific information for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation to their specific circumstances.

Authorized Signatory for the Alpha Wire:

A handwritten signature in black ink that appears to read "Dave Watson".

Dave Watson, Director of Engineering 4/11/2024

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