

[Request a Sample](#)

Customer Specification

PART NO. 6714

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	20 (10/30) AWG TC	0.036
b) Insulation	0.0095" Wall, Nom. Modified Polyphenylene Ether	0.055+/- 0.002
(1) Print	ALPHA WIRE ECOWIRE TM 20 AWG E163869-DB RU AWM 11028 105C 600V VW-1 --- CRU AWM I A/B 105C 600V FT1 CE ROHS	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET, GREEN/YELLOW, DARK BLUE	

Applicable Specifications

1) UL	AWM/STYLE 11028	105°C / 600 V _{RMS}
	VW-1	
2) CSA International	C(RU) AWM I A/B FT1	105°C / 600 V _{RMS}
3) Other	Halogen-Free	
	IEC 60332-2 Flame Behavior	
4) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) EU Directive 2011/65/EU(RoHS2):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. 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.
3) California Proposition 65:	
	Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	7.9 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.04 μH/ft, Nominal
3) Conductor DCR	10.6 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 25000 DR	23 x 20 x 0 Max. 2 separate pieces; Min length/piece 5000 FT.
b) 5000 FT	12 x 4.5 x 3.5 Continuous length
c) 1000 FT	9 x 4.5 x 3.5 Continuous length
d) 100 FT	3.75 x 2 x 1.75 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Certain colors and put-up combinations may only be available by special order, minimums may apply.	

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742)

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

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. ©2013 ALPHA WIRE - all rights reserved.



EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 6714

6714 , RoHS-Compliant Commencing With 7/1/2009 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 Parliament, better known as the 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 certification extends to amending Directive 2015/863/EU which expanded 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 extents of the Directives. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014.

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 its release. The information provided is designed only as 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 not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA

3/25/2020

Alpha Wire

711 Lidgerwood Ave.

Elizabeth, NJ 07207

Tel: 1-908-925-8000

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Alpha Wire:

[6714 GR001](#) [6714 GY013](#) [6714 BK005](#) [6714 WH013](#) [6714 GY005](#) [6714 BK001](#) [6714 RD005](#) [6714 YL001](#) [6714 DB013](#) [6714 BL001](#) [6714 VI001](#) [6714 GY001](#) [6714 RD013](#) [6714 OR001](#) [6714 GR005](#) [6714 OR005](#) [6714 SL001](#) [6714 SL005](#) [6714 OR013](#) [6714 VI013](#) [6714 DB005](#) [6714 VI005](#) [6714 BR013](#) [6714 BR001](#) [6714 SL013](#) [6714 YL005](#) [6714 YL013](#) [6714 BK013](#) [6714 BL013](#) [6714 WH001](#) [6714 WH005](#) [6714 DB001](#) [6714 RD001](#) [6714 BR005](#) [6714 BL005](#) [6714 GR013](#) [6714 BK190](#) [6714 BL190](#) [6714 BR190](#) [6714 DB190](#) [6714 WH190](#) [6714 YL190](#) [6714 GR190](#) [6714 GY190](#) [6714 OR190](#) [6714 RD190](#) [6714 SL190](#) [6714 VI190](#) [6714 WU013](#)