

Customer Specification

PART NO. 104

Construction

						Diameters (In)
1) Component 1		3 X 1 COND				
a) Conductor		22 (26/36) AWG Bare Copper				0.027
b) Insulation		0.011" Wall, Nom. PVC, Semi Rigid				0.049
(1) Color(s)						
Cond	Color	Cond	Color	Cond	Color	
1	BROWN	2	BLUE	3	BLACK	
2) Cable Assembly		3 Components Cabled				
a) Twists:		8.0 Twists/foot (min)				
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER				
3) Jacket		0.032" Wall, Nom.,PVC				0.176+/- 0.010
a) Color(s)		SLATE				
b) Jacket Separator		Tissue Tape, 25% Overlap, Min.				
c) Print		ALPHA WIRE-* P/N 104 3C 22 AWG E163869 RU AWM 2661 105C 300V VW-1 OR CRU AWM I/II A/B 105C 300V FT1 --- OIL RES CE ROHS * = Factory Code				

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 10002	105°C / 300 V _{RMS}
b) Overall	AWM/STYLE 2661	105°C / 300 V _{RMS}
2) CSA International	C(RU) AWM I/II A/B FT1	105°C / 300 V _{RMS}

Environmental

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1) CE: EU Directive 2011/65/EU(RoHS2):	
	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. 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 .

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C(static), -15 to 105°C (dynamic)
2) Bend Radius	7X Cable Diameter(static), 10X Cable Diameter(dynamic)
3) Pull Tension	15.3 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	22.7 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.19 μH/ft, Nominal
4) Conductor DCR	16.4 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	
Notes:	
a) 24" x 14" Maximum Reel Size	

www.alphawire.com

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 104

104, RoHS-Compliant Commencing With 10/1/2005 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 Dire RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacti extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). Th these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this iter** compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product

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 d 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 specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legisl product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 4/14/2024

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