

Customer Specification

PART NO. 1172C

Construction

						Diameters (In)	
1) Component 1						2 X 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insulation						0.010" Wall, Nom. PVC, Semi Rigid	0.050
(1) Color Code						Alpha Wire Color Code D	
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	2	RED				
2) Cable Assembly						2 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	0.164 (0.174 Max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 1172C 2C 22 AWG 75C (UL) TYPE CM OR AWM 2576 OR C(UL) 75C TYPE CMG FT4 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>	

Applicable Specifications

1) UL	AWM/STYLE 2576	80°C / 150 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	FT4	
	C(UL) TYPE CMG	75°C
3) 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	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	11 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Capacitance	22.8 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Characteristic Impedance	80 Ω
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	16.3 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 75DR10000	30 x 14 x 12 Continuous length
b) 5000 FT	18 x 14.25 x 8 Continuous length
c) 1000 FT	12 x 5.94 x 5 Continuous length
d) BOX 1000FT	9-1/2 EASY REEL: Continuous length
e) 500 FT	10.5 x 5 x 3.5 Continuous length
f) 100 FT	6.5 x 2 x 1.9 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Certain put-up for special order only and minimum order quantity may apply.	
b) Certain put-up combinations may only be available by special order. Minimums may apply.	

www.alphawire.com

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SpecPDFFooterConfidential



EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 1172C

1172C, RoHS-Compliant Commencing With 01/08/2005 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 (2011/65/EU), 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 **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 not 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:

A handwritten signature in blue ink, appearing to read 'QBW', with a long horizontal line extending to the right.

Dave Watson, Director of Engineering & QA 16/09/2025

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