

Especificación de Cliente

NO. DE PIEZA 87005CY

Construction

		Diameters (In)			
1) Component 1		5 X 1 COND			
a) Conductor		24 (7/32) AWG Bare Copper		0.024	
b) Insulation		0.016" Wall, Nom. TPES		0.056	
(1) Print		ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED			
(2) Color Code		Alpha Wire Color Code KX			
Cond	Color	Cond	Color	Cond	Color
1	GREEN/YELL	3	BLACK#2	5	BLACK#4
2	BLACK#1	4	BLACK#3		
2) Cable Assembly		5 Components Cabled			
a) Twists:		3.2 Twists/foot (min)			
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			
c) Core Wrap		PTFE(skived) Tape, 25% Overlap, Min.			
3) Shield		Tinned Copper SPIRAL Shield,90% Coverage, Min.			
4) Jacket		0.050" Wall, Nom.,Polyurethane (TPU)		0.278 (0.292 Max.)	
a) Color(s)		BLACK			
b) Jacket Separator		PTFE(skived) Tape, 25% Overlap, Min.			
c) Print		ALPHA WIRE-* P/N 87005CY XTRAGUARD(R) FLEXIBLE TORSION CABLE - RU AWM 20234 VW-1 OR CRU AWM I/II A/B 80C 600 VOLTS FT2 CE ROHS (SEQ FOOTAGE) * = Factory Code			

Applicable Specifications

--

1) UL		
a) Component 1	AWM/STYLE 10162	80°C / 600 V _{RMS}
b) Overall	AWM/STYLE 20234	80°C / 600 V _{RMS}
	VW-1	
2) CSA International	C(RU) AWM I/II A/B FT2	80°C / 600 V _{RMS}
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	-30 to 80°C(static), -10 to 80°C (dynamic)
2) Bend Radius	10X Cable Diameter(static), 15X Cable Diameter(dynamic)
3) Pull Tension	21.8 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.22 μH/ft, Nominal
3) Conductor DCR	22.8 Ω/1000ft @20°C, Nominal
4) OA Shield DCR	5.2 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Aunque el Alambre Alfa ('Alfa') haga cada esfuerzo razonable para asegurar allí exactitud en el momento de publicación, información y especificaciones descritas aquí son sujetos a errores u omisiones y a cambios sin el aviso, y el listado de tal información y especificaciones no asegura la disponibilidad de producto.

La alfa proporciona la información y especificaciones aquí en un 'COMO ES' base, sin representaciones o garantías, si expreso, estatutario o implicado. Nunca va a Alfa ser obligado de cualquier daño (incluso consiguiente, indirecto, secundario, especial, punitivo, o ejemplar) independientemente de, aun si la Alfa hubiera sido informada de la posibilidad de tales daños, si en una acción conforme a contrato, negligencia o cualquier otra teoría, levantándose de o en relación al uso, o inhabilidad de usar, la información o especificaciones descrito aquí.

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.

©2019 ALPHA WIRE - all rights reserved.



2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com

EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 87005CY

87005CY, RoHS-Compliant Commencing With 01/11/2004 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 (RoHS 2), 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 limits. **Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control"

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 used as a 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 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:

Dave Watson, Director of Engineering & QA 13/06/2026

Alpha Wire
711 Lidgerwood Ave.
Elizabeth, NJ 07207
Tel: 1-908-925-8000