

Customer Specification

PART NO. 470035CY

Construction

						Diameters (mm)		
1) Component 1	3 X 1 COND							
a) Conductor	0.50 (20/.177) mm ² Bare Copper							
b) Insulation	0.400 mm Wall, Nom. PVC							
(1) Print Color	WHITE							
(1) Color(s)								
Cond	Color	Cond	Color	Cond	Color			
1	BLACK #1	2	BLACK #2	3	YELLOW/GREEN			
c) Cabling	3 COND Cabled							
(1) Twists:	13.6 Twists/meter (min)							
(2) Orientation:	Components to be arranged from INSIDE LAYER to OUTSIDE LAYER							
d) Jacket	0.65 mm Wall, Nom.,PVC							
(1) Color(s)	GREY							
2) Shield	Tinned Copper BRAID Shield,80% Coverage, Min.							
3) Jacket	0.82 mm Wall, Nom.,PVC							
a) Color(s)	Clear, Grey							
b) Print	ALPHA WIRE-* P/N 470035CY PRO-MET 300/500V 3G0.5MM2 PVC/PVC/TCB/PVC MULTI CORE CONTROL CABLE □ VDE-REG 8770 □ CE ROHS DDDYANN XXXXXXX M * = Factory Code							

Applicable Specifications

1) IEC		
a) Component 1	EN 60228 Conductors, Class 5	
	DIN VDE 0295 Class 5	
2) Other	IEC 60332-1 Flame Behavior	
	DIN EN 50290-2-22 Oil Resistance	
	UV Resistant	
3) CE:	EU Low Voltage Directive 2014/35/EU	

Environmental

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 80°C(static), -30 to 70°C (dynamic)
2) Bend Radius	6X Cable Diameter(static), 20X Cable Diameter(dynamic)
3) Sunlight Resistance	Yes
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300/500 V _{RMS}
2) Conductor DCR	39 μ /Km @20°C, Max.

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 300 M	16 x 11 x 8 Continuous length
b) 100 M	12 x 6 x 3.5 Continuous length
c) 50 M	12 x 4.5 x 3.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

www.alphawire.com

Alpha Wire | 1320 City Center Drive, Suite 100, Carmel, IN 46032

Tel: 1-800-52 ALPHA (25742)

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 470035CY

470035CY, RoHS-Compliant Commencing With 9/1/2018 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 4/12/2024

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-908-925-8000