

Customer Specification

PART NO. 470071YY

Construction

						Diameters (mm)		
1) Component 1						7 X 1 COND		
a) Conductor						1.00 (30/0.20) mm ² Bare Copper		1.26
b) Insulation						0.400 mm Wall, Nom. PVC		2.06+/- 0.05
(1) Print						ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED		
(2) Color(s)								
Cond	Color	Cond	Color	Cond	Color			
1	BLACK #1	4	BLACK #4	7	YELLOW/GREEN			
2	BLACK #2	5	BLACK #5					
3	BLACK #3	6	BLACK #6					
2) Cable Assembly						7 Components Cabled		
a) Twists:						8.1 Twists/meter (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Jacket						0.85 mm Wall, Nom.,PVC		7.97+/- 0.33
a) Color(s)						GREY		
b) Print						ALPHA WIRE-* P/N 470071YY PRO-MET 300/500V 7G1.0MM2 PVC/PVC MULTI CORE CONTROL CABLE VDE-REG.-NR.8770 CE ROHS DDDYANN XXXXXXXX M * = Factory Code		

Applicable Specifications

1) IEC		
a) Component 1	EN 60228 Conductors, Class 5	
2) Other	IEC 60332-1 Flame Behavior	
	UV Resistant	
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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 80°C(static), -30 to 70°C (dynamic)
2) Bend Radius	4X Cable Diameter(static), 10X Cable Diameter(dynamic)
3) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300/500 V _{RMS}
2) Conductor DCR	19.5 Ω/Km @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 300 M	18 x 9 x 8 Continuous length
b) 100 M	12 x 5.94 x 5 Continuous length
c) 50 M	10.5 x 5 x 3.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 470071YY

470071YY, 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 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). This product also complies with UK - RoHS. 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. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

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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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 6/28/2026

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