

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: 470075YY
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Issue: 1
Issue Date: 6/23/2018
Effective Date: 8/18/2018

A. Construction

Diameters (mm)

- 1) Component 1 7 X 1 COND
 - a) Conductor 0.50 (20/.177) mm² Bare Copper 0.91
 - b) Insulation 0.400 mm Wall, Nom. PVC 1.71+/- 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: 9.8 Twists/meter (min)
 - b) Orientation: Components to be arranged from INSIDE LAYER to OUTSIDE LAYER
- 3) Jacket 0.77 mm Wall, Nom.,PVC 6.75+/- 0.32
 - a) Color(s) GREY
 - b) Print ALPHA WIRE-* P/N 470075YY
 PRO-MET 300/500V 7G0.5MM2 PVC/PVC
 MULTI CORE CONTROL CABLE VDE-REG.-NR.8770
 CE ROHS DDDYANN XXXXXXX M
 * = Factory Code

B. 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

C. Environmental Compliance

- 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](#).

D. 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

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300/500 V_{RMS}
- 2) Conductor DCR 39 Ω/Km @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 300 M 12 x 12 x 3.5 Continuous length
 - b) 100 M 12 x 4.5 x 3.5 Continuous length
 - c) 50 M 12 x 4.5 x 3.5 Continuous length
- [Spool dimensions may vary slightly]*

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