

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 470075YY
Page 1 of 1 Pages

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) mm ² 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 |
| | <i>[Spool dimensions may vary slightly]</i> |

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