

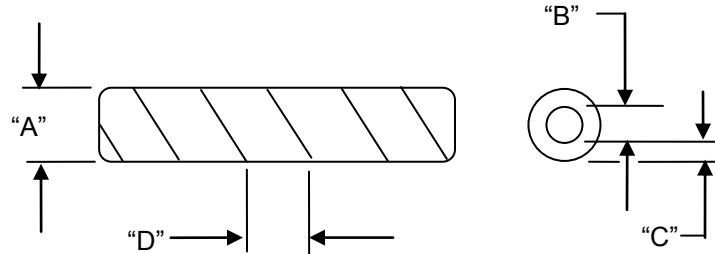
ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: SW1 - SW6
Page 1 of 2 Pages

Issue: 6
Issue Date: 4/6/2015
Effective Date: 4/6/2015

A. Construction

- | | |
|--------------------|--------------------|
| 1) Tubing Type | Spiral Wrap Tubing |
| 2) Tubing Material | Polyethylene (PE) |
| 3) Color(s) | NATURAL |



Alpha P/N	Outside Dia "A"	Nominal ID "B"	Wall Thickness "C"	Right Hand Pitch "D"
SW-1	0.125 +/-0.020	0.061	0.032 +/-0.010	0.187 +/- 1/16
SW-2	0.250 +/-0.020	0.160	0.045 +/-0.010	0.375 +/- 1/8
SW-3	0.375 +/-0.020	0.271	0.052 +/-0.010	0.438 +/- 1/8
SW-4	0.500 +/-0.025	0.376	0.062 +/-0.010	0.563 +/- 1/8
SW-5	0.750 +/-0.025	0.620	0.065 +/-0.010	0.750 +/- 1/4
SW-6	1.000 +/-0.035	0.840	0.080 +/-0.010	1.000 +/- 1/4

B. Applicable Specifications

- | | |
|----------|--|
| 1) UL | UZKX2 |
| 2) Other | ASTM 1248-65T, Type 1, Class A, Grade 3
CID A-A-59602, Type 1, Class 1
MIL-I-631, Type A Form U
MIL-P-21922 |

C. Environmental Compliance

- 1) RoHS Directive (2011/65/EU):
All materials used in the manufacture of this part meet the requirements of European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. 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.
- 3) California Proposition 65:
The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

- | | |
|----------------------|---------------|
| 1) Temperature Range | -60°C to 88°C |
| 2) Tensile Strength | 1800psi, Min |

E. Electrical Properties

- | | |
|--------------------------------|-------------------------|
| 1) Abrasion Resistance (Taber) | 22 mg Loss per M Cycles |
|--------------------------------|-------------------------|

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F. Chemical Properties

- | | |
|--------------------------------|----------------------------------|
| 1) Water Absorption | 0.014% |
| 2) Effects of Organic Solvents | No appreciable effect below 50°C |
| 3) Effects of Alkalies | None |
| 4) Effects of Acids | None |
| 5) Halogen Free | Yes |
| 6) Lead Free | Yes |
| 7) Flammability | Not Flame Rated |

G. Other

- 1) Packaging

Alpha P/N	Standard package
SW-1	25, 100, 500 ft spools
SW-2	25, 100, 500 ft spools
SW-3	25, 100 ft spools
SW-4	25, 100 ft spools
SW-5	25, 100, 500 ft spools
SW-6	25, 100, 500 ft spools

Note: All sizes may contain a maximum of 3 lengths, 10 ft. minimum length of an individual piece

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