

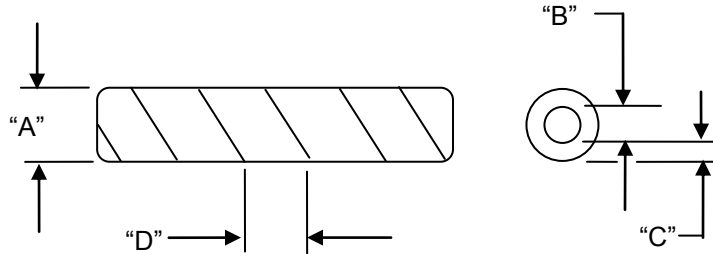
ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: SW20 – SW25
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 | Nylon |
| 3) Color(s) | NATURAL |



Alpha P/N	Outside Dia "A"	Nominal ID "B"	Wall Thickness "C"	Right Hand Pitch "D"
SW-20	0.125 +/-0.010	0.095	0.015 +/-0.006	0.187 +/- 1/16
SW-21	0.250 +/-0.020	0.200	0.025 +/-0.005	0.375 +/- 1/8
SW-22	0.375 +/-0.020	0.305	0.035 +/-0.007	0.438 +/- 1/8
SW-23	0.500 +/-0.030	0.430	0.035 +/-0.007	0.500 +/- 1/8
SW-24	0.750 +/-0.025	0.686	0.032 +/-0.015	0.750 +/- 1/4
SW-25	1.000 +/-0.025	0.936	0.032 +/-0.015	1.000 +/- 1/4

B. Applicable Specifications

- | | |
|----------|-------------------------------|
| 1) UL | UZKX2 |
| 2) Other | ASTM-D-4066, Group 2, Class 1 |

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 | -40°C to 121°C |
| 2) Tensile Strength | 12,000psi, Min |

E. Electrical Properties

- | | |
|--------------------------------|--------------------------|
| 1) Abrasion Resistance (Taber) | 6-8 mg Loss per M Cycles |
| 2) Maximum Dielectric Constant | 4.0 |

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F. Chemical Properties

- | | |
|--------------------------------|---------------------------------------|
| 1) Water Absorption | 1.5% |
| 2) Effects of Organic Solvents | No appreciable effect below 50°C |
| 3) Effects of Alkalies | None |
| 4) Effects of Acids | Satisfactory, except for strong acids |
| 5) Halogen Free | Yes |
| 6) Lead Free | Yes |
| 7) Flammability | Self Extinguishing |

G. Other

- 1) Packaging

Alpha P/N	Standard package
SW-20	25, 100, 500 ft spools
SW-21	25, 100, 500 ft spools
SW-22	25, 100 ft spools
SW-23	25, 100 ft spools
SW-24	25, 100 ft spools
SW-25	25, 100 ft spools

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

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