

# WIRE MANAGEMENT PRODUCTS

## SPIRAL WRAP TUBING

SW

RoHS COMPLIANT

### SPIRAL WRAP TUBING APPLICATIONS:

- Wire Harness Breakouts
- Cable Bundling

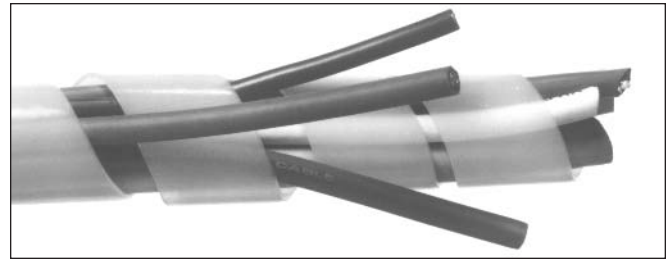
### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- Polyethylene: -20°C to 80°C
- Nylon: -40°C to 120°C
- Teflon\*: -70°C to 250°C
- PVC: -20°C to 80°C

#### COLOR DESCRIPTION:

- SW-1 to 6, SW-20 to 25 and SW-30 to 35: Natural
- SW-10 to 14: White
- SW-40 to 45 and SW-50 to 53: Black



#### SPIRAL CUT FOR HARNESS BREAKOUTS:

Wire harnessing, cabling and bundling work is simplified with the use of Alpha's SW series spiral wrap tubing. SW tubing wraps tightly to the wire and cable being bundled, yet is flexible and simple to apply. All types maintain flexibility even when bent around sharp edges. Breakouts or tapoff connections may be made through the openings of the wrap. SW spiral wrap is constructed from several semi-rigid tubing materials and then cut on a continual spiral.



| Alpha Part No. | Size In. | Standard Materials                | Standard Put-Up Ft. | Max. Oper. Temp. | Min. Oper. Temp. | Nom. O.D. Inches | Nominal Wall Thickness Inches | Max. Diam. Inner Wire Bundle Inches | Flammability         |
|----------------|----------|-----------------------------------|---------------------|------------------|------------------|------------------|-------------------------------|-------------------------------------|----------------------|
| <b>SW-1</b>    | 1/8      | <b>CLEAR POLYETHYLENE</b>         | 25, 100, 500        | 80°C             | -20°C            | 0.125            | 0.031                         | 1/2                                 | Not Flame Retardant. |
| <b>SW-2</b>    | 1/4      | Ideal for general indoor          | 25, 100, 500        | (176°F)          | (-4°F)           | 0.250            | 0.046                         | 2                                   |                      |
| <b>SW-3</b>    | 3/8      | applications. This cost-          | 25, 100             |                  |                  | 0.375            | 0.052                         | 3                                   |                      |
| <b>SW-4</b>    | 1/2      | effective material is extremely   | 25, 100             |                  |                  | 0.500            | 0.062                         | 4                                   |                      |
| <b>SW-5</b>    | 3/4      | abrasion resistant and is         | 25, 100, 500        |                  |                  | 0.750            | 0.065                         | 5                                   |                      |
| <b>SW-6</b>    | 1        | unaffected by most solvents.      | 25, 100, 500        |                  |                  | 1.000            | 0.095                         | 6                                   |                      |
| <b>SW-10</b>   | 1/8      | <b>FIRE RESISTANT</b>             | 25, 100, 500        | 80°C             | -20°C            | 0.125            | 0.031                         | 1/2                                 | 94V-0                |
| <b>SW-11</b>   | 1/4      | <b>POLYETHYLENE</b>               | 25, 100, 500        | (176°F)          | (-4°F)           | 0.250            | 0.046                         | 2                                   |                      |
| <b>SW-12</b>   | 3/8      | A cost-effective alternative to   | 25, 100             |                  |                  | 0.375            | 0.052                         | 3                                   |                      |
| <b>SW-13</b>   | 1/2      | Nylon or Teflon*. This special    | 25, 100             |                  |                  | 0.500            | 0.062                         | 4                                   |                      |
| <b>SW-14</b>   | 3/4      | material is self-extinguishing.   | 25, 100             |                  |                  | 0.750            | 0.065                         | 5                                   |                      |
| <b>SW-20</b>   | 1/8      | <b>NYLON</b>                      | 25, 100, 500        | 120°C            | -40°C            | 0.125            | 0.016                         | 1/2                                 | 94V-2                |
| <b>SW-21</b>   | 1/4      | Highly specialized product        | 25, 100, 500        | (176°F)          | (-40°F)          | 0.250            | 0.025                         | 2                                   |                      |
| <b>SW-22</b>   | 3/8      | that is tough, durable, self-     | 25, 100             |                  |                  | 0.375            | 0.035                         | 3                                   |                      |
| <b>SW-23</b>   | 1/2      | extinguishing, abrasion resis-    | 25, 100             |                  |                  | 0.500            | 0.035                         | 4                                   |                      |
| <b>SW-24</b>   | 3/4      | tant, lightweight. Operates       | 25, 100             |                  |                  | 0.750            | 0.032                         | 5                                   |                      |
| <b>SW-25</b>   | 1        | over a wide temp. range.          | 25, 100             |                  |                  | 1.000            | 0.032                         | 6                                   |                      |
| <b>SW-30</b>   | 1/8      | <b>TEFLON*</b>                    | 25, 100             | 250°C            | -70°C            | 0.125            | 0.030                         | 1/2                                 | Self Extinguishing.  |
| <b>SW-31</b>   | 1/4      | Self extinguishing, fluorocarbon, | 25, 100             | (482°F)          | (-94°F)          | 0.250            | 0.030                         | 2                                   |                      |
| <b>SW-32</b>   | 3/8      | resin material. Possesses         | 25, 100             |                  |                  | 0.375            | 0.030                         | 2-1/2                               |                      |
| <b>SW-33</b>   | 1/2      | greatest min. & max. temp.        | 25, 100             |                  |                  | 0.500            | 0.030                         | 3                                   |                      |
| <b>SW-34</b>   | 3/4      | range of any spiral wrap          | 25, 100             |                  |                  | 0.750            | 0.032                         | 3-1/2                               |                      |
| <b>SW-35</b>   | 1        | material. Suitable for use in a   | 25, 100             |                  |                  | 1.000            | 0.040                         | 4                                   |                      |
| <b>SW-40</b>   | 1/8      | <b>ULTRAVIOLET-RESISTANT</b>      | 25, 100, 500        | 80°C             | -20°C            | 0.125            | 0.030                         | 1/2                                 | Not Flame Retardant. |
| <b>SW-41</b>   | 1/4      | <b>BLACK POLYETHYLENE</b>         | 25, 100, 500        | (176°F)          | (-4°F)           | 0.250            | 0.045                         | 2                                   |                      |
| <b>SW-42</b>   | 3/8      | Recommended for outdoor use.      | 25, 100             |                  |                  | 0.375            | 0.050                         | 3                                   |                      |
| <b>SW-43</b>   | 1/2      | Same properties as clear          | 25, 100             |                  |                  | 0.500            | 0.060                         | 4                                   |                      |
| <b>SW-44</b>   | 3/4      | polyethylene but contains extra   | 25, 100, 500        |                  |                  | 0.750            | 0.065                         | 5                                   |                      |
| <b>SW-45</b>   | 1        | additive for moisture resistance  | 25, 100, 500        |                  |                  | 1.000            | 0.095                         | 6                                   |                      |
| <b>SW-50</b>   | 1/8      | <b>PVC</b>                        | 25, 100             | 80°C             | -20°C            | 0.125            | 0.032                         | 1/2                                 | Self Extinguishing.  |
| <b>SW-51</b>   | 1/4      | Superior taber abrasion           | 25, 100             | (176°F)          | (-4°F)           | 0.250            | 0.045                         | 2                                   |                      |
| <b>SW-52</b>   | 3/8      | resistance, tensile strength,     | 25, 100             |                  |                  | 0.375            | 0.052                         | 2-1/2                               |                      |
| <b>SW-53</b>   | 1/2      | thermal, mechanical & electrical  | 25, 100             |                  |                  | 0.500            | 0.062                         | 3                                   |                      |
|                |          | properties. Self-extinguishing    |                     |                  |                  |                  |                               |                                     |                      |
|                |          | flexible product.                 |                     |                  |                  |                  |                               |                                     |                      |

\*Registered trademark of E.I. DuPont Co.