

# WIRE MANAGEMENT PRODUCTS

## SPIRAL WRAP TUBING

SW

RoHS COMPLIANT

### SPIRAL WRAP TUBING APPLICATIONS:

- Wire Harness Breakouts
- Cable Bundling

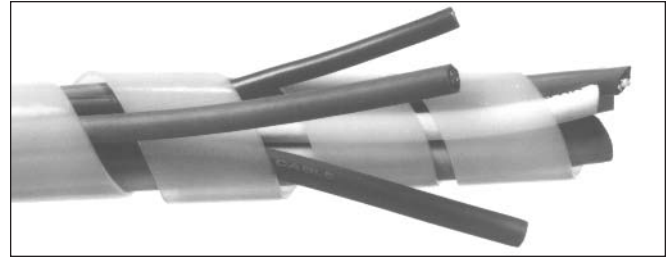
### CHARACTERISTICS

#### 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 applications. This cost-effective material is extremely abrasion resistant and is unaffected by most solvents.	25, 100, 500	(176°F)	(-4°F)	0.250	0.046	2	
<b>SW-3</b>	3/8		25, 100			0.375	0.052	3	
<b>SW-4</b>	1/2		25, 100			0.500	0.062	4	
<b>SW-5</b>	3/4		25, 100, 500			0.750	0.065	5	
<b>SW-6</b>	1		25, 100, 500			1.000	0.095	6	
<b>SW-10</b>	1/8		<b>FIRE RESISTANT POLYETHYLENE</b>			25, 100, 500	80°C	-20°C	0.125
<b>SW-11</b>	1/4	A cost-effective alternative to Nylon or Teflon*. This special material is self-extinguishing.	25, 100, 500	(176°F)	(-4°F)	0.250	0.046	2	
<b>SW-12</b>	3/8		25, 100			0.375	0.052	3	
<b>SW-13</b>	1/2		25, 100			0.500	0.062	4	
<b>SW-14</b>	3/4		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
<b>SW-21</b>	1/4	Highly specialized product that is tough, durable, self-extinguishing, abrasion resistant, lightweight. Operates over a wide temp. range.	25, 100, 500	(176°F)	(-40°F)	0.250	0.025	2	
<b>SW-22</b>	3/8		25, 100			0.375	0.035	3	
<b>SW-23</b>	1/2		25, 100			0.500	0.035	4	
<b>SW-24</b>	3/4		25, 100			0.750	0.032	5	
<b>SW-25</b>	1		25, 100			1.000	0.032	6	
<b>SW-30</b>	1/8		<b>TEFLON*</b>			25, 100	250°C	-70°C	0.125
<b>SW-31</b>	1/4	Self extinguishing, fluorocarbon, resin material. Possesses greatest min. & max. temp. range of any spiral wrap material. Suitable for use in a number of industrial applications.	25, 100	(482°F)	(-94°F)	0.250	0.030	2	
<b>SW-32</b>	3/8		25, 100			0.375	0.030	2-1/2	
<b>SW-33</b>	1/2		25, 100			0.500	0.030	3	
<b>SW-34</b>	3/4		25, 100			0.750	0.032	3-1/2	
<b>SW-35</b>	1		25, 100			1.000	0.040	4	
<b>SW-40</b>	1/8		<b>ULTRAVIOLET-RESISTANT BLACK POLYETHYLENE</b>			25, 100, 500	80°C	-20°C	0.125
<b>SW-41</b>	1/4	Recommended for outdoor use. Same properties as clear polyethylene but contains extra additive for moisture resistance ultraviolet light and rain.	25, 100, 500	(176°F)	(-4°F)	0.250	0.045	2	
<b>SW-42</b>	3/8		25, 100			0.375	0.050	3	
<b>SW-43</b>	1/2		25, 100			0.500	0.060	4	
<b>SW-44</b>	3/4		25, 100, 500			0.750	0.065	5	
<b>SW-45</b>	1		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
<b>SW-51</b>	1/4	Superior taber abrasion resistance, tensile strength, thermal, mechanical & electrical properties. Self-extinguishing flexible product.	25, 100	(176°F)	(-4°F)	0.250	0.045	2	
<b>SW-52</b>	3/8		25, 100			0.375	0.052	2-1/2	
<b>SW-53</b>	1/2		25, 100			0.500	0.062	3	

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

