



Alpha Wire Company

WIRE MANAGEMENT PRODUCTS

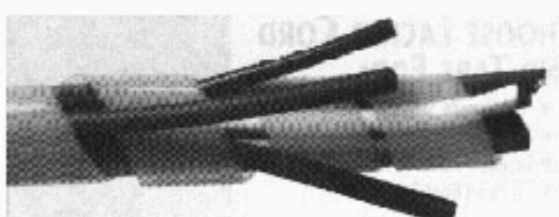
Spiral Wrap TUBING

SW
RoHS COMPLIANT

Download this page in PDF format

Spiral Wrap TUBING APPLICATIONS:

- Wire Harness Breakouts
- Cable Bundling



SPIRAL CUT FOR HARNESS BREAKOUT:

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 is 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.

CHARACTERISTICS

Operating Temperature:

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

SPECIFICATIONS:

- RoHS Compliant



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
SW-1	1/8	CLEAR POLYETHYLENE	25, 100, 500	80Â°C	-20Â°C	0.125	0.031	1/2	Not Flame Retardant.
SW-2	1/4	Ideal for general indoor applications. This cost-effective material is extremely abrasion resistant and is unaffected by most solvents.	25, 100, 500	(176Â°F)	(-4Â°F)	0.250	0.046	2	
SW-3	3/8		25, 100			0.375	0.052	3	
SW-4	1/2		25, 100			0.500	0.062	4	
SW-5	3/4		25, 100, 500			0.750	0.065	5	
SW-6	1		25, 100, 500			1.000	0.095	6	
SW-10	1/8	FIRE RESISTANT POLYETHYLENE	25, 100, 500	80Â°C	-20Â°C	0.125	0.031	1/2	94V-0
SW-11	1/4	A cost-effective alternative to Nylon or Teflon*. This special material is self-extinguishing.	25, 100, 500	(176Â°F)	(-4Â°F)	0.250	0.046	2	
SW-12	3/8		25, 100			0.375	0.052	3	
SW-13	1/2		25, 100			0.500	0.062	4	
SW-14	3/4		25, 100			0.750	0.065	5	
SW-20	1/8	NYLON	25, 100, 500	120Â°C	-40Â°C	0.125	0.016	1/2	94V-2
SW-21	1/4	Highly specialized product that is tough, durable, self-extinguishing, abrasion resistant, lightweight. Operates over a wide temp. range.	25, 100, 500	(176Â°F)	(-40Â°F)	0.250	0.025	2	
SW-22	3/8		25, 100			0.375	0.035	3	
SW-23	1/2		25, 100			0.500	0.035	4	
SW-24	3/4		25, 100			0.750	0.032	5	
SW-25	1		25, 100			1.000	0.032	6	
SW-30	1/8	TEFLON*	25, 100	250Â°C	-70Â°C	0.125	0.030	1/2	Self Extinguishing
SW-31	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	(482Â°F)	(-94Â°F)	0.250	0.030	2	
SW-32	3/8		25, 100			0.375	0.030	2-1/2	
SW-33	1/2		25, 100			0.500	0.030	3	
SW-34	3/4		25, 100			0.750	0.032	3-1/2	
SW-35	1		25, 100			1.000	0.040	4	
SW-40	1/8	ULTRAVIOLET-RESISTANT BLACK POLYETHYLENE	25, 100, 500	80Â°C	-20Â°C	0.125	0.030	1/2	Not Flame Retardant
SW-41	1/4	Recommended for outdoor use.	25, 100, 500	(176Â°F)	(-4Â°F)	0.250	0.045	2	
SW-42	3/8	Same properties as clear polyethylene but contains extra additive for moisture resistance and ultraviolet light.	25, 100			0.375	0.050	3	
SW-43	1/2		25, 100			0.500	0.060	4	
SW-44	3/4		25, 100, 500			0.750	0.065	5	
SW-45	1		25, 100, 500			1.000	0.095	6	
SW-50	1/8	PVC	25, 100	80Â°C	-20Â°C	0.125	0.032	1/2	Self Extinguishing.
SW-51	1/4	Superior to abrasion resistance. Tensile Strength , thermal, mechanical & electrical properties. Self-extinguishing flexible product.	25, 100	(176Â°F)	(-4Â°F)	0.250	0.045	2	
SW-52	3/8		25, 100			0.375	0.052	2-1/2	
SW-53	1/2		25, 100			0.500	0.062	3	

*Registered trademark of E.I. DuPont Co.

Email: info@alphawire.com
 Toll Free: 1-800-52 ALPHA | Telephone: 908-925-8000 | Fax: 908-925-6923
 Europe/UK Telephone: +44 (0) 800 268 8809 | Europe/UK Fax: +44 (0) 1932 772433

Master Catalog Page

157



Copyright ©2009 Alpha Wire Company ALL RIGHTS RESERVED.

Use of this Web Site indicates you accept the [Terms of Use](#) listed in the [Legal Information and Terms Of Use](#) Document.

- Home
- Master Catalog Online
- Distributor Resources
- Product Discovery Center
- Technical Resources
- New and Featured Products
- Corporate
- International

