

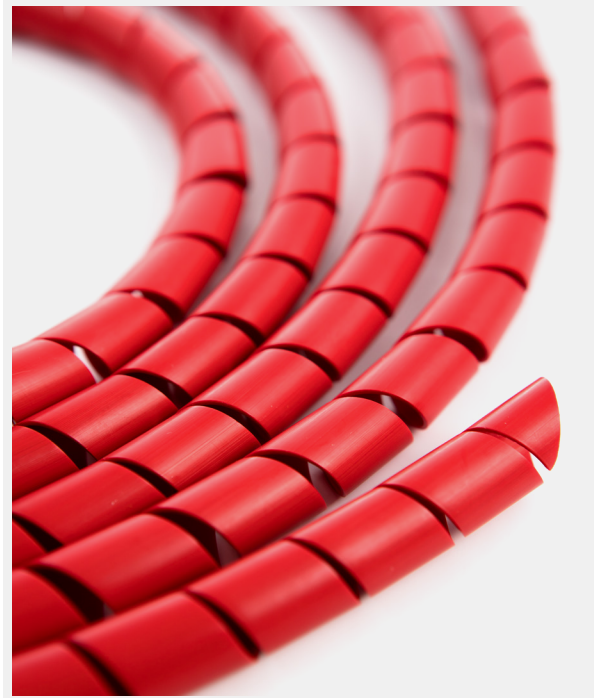
Spiral Cut Tubing

High Performance Flexible Extrusions

Overview-

Zeus routinely cuts tubing in a spiral manner to form an expandable and highly flexible housing over wires, cables, hoses, and other critical bundles. The custom spacing between the spirals allow for individual lead wires and fibers to be “broken out” at any point along the extrusion. Spiral cut tubing is an ideal solution as a wire harnessing or insulating product to protect wires, cables, and fiber optics.

Our team extrudes spiral cut tubing from a variety of polymer resins (ETFE , FEP, PEEK, PFA, PTFE, PVDF, THV, and more) to sync your desired properties to the end application. This product securely bundles and insulates wires and fibers thanks to its memory properties without the need for adhesives. We can increase or decrease the pitch to provide enhanced flexibility or add more protection, in addition to cutting spirals left- or right-handed.



Custom sizes, colors, and more options available.

APPLICATIONS

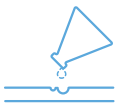
- Wire harness / bundling
- Fiber optics protection
- Protection for wires

CAPABILITIES AND SIZING

- Customizable spiral pitch on spiral cuts
- Available for ETFE , FEP, PEEK, PFA, PTFE, PVDF, and THV tubing (others possible)
- Colors and custom sizes available upon request

KEY PROPERTIES (RESIN-DEPENDENT)

- Flexible and expandable
- Chemical resistance
- Excellent dielectric strength
- High and low temperature resistance
- Low coefficient of friction
- Reduces cable chafing and wear
- UV resistance
- Flame resistance



CHEMICAL RESISTANCE



ABRASION RESISTANCE



FLAME RESISTANCE



Spiral Cut

Supplied in natural color unless otherwise specified. Custom Pantone colors or Zeus standard colors available on request. Free samples available upon request. OD tolerance ± 0.005 ", Wall Tolerance ± 0.005 ", Pitch Tolerance ± 0.030 ". Lot to lot testing available upon request.

SPIRAL CUT TUBING*									
ORDERED BY OUTSIDE DIAMETER		INDUSTRIAL TUBING SIZE				BUNDLE DIAMETER MAXIMUM		PITCH OF HELICAL CUT	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1/8	3.18	1/16	1.59	0.030	0.76	1/2	12.70	0.218	5.54
3/16	4.78	1/8	3.15	0.030	0.76	1	25.40	0.312	7.92
1/4	6.35	3/16	4.76	0.030	0.76	2	50.80	0.375	9.53
5/16	7.94	1/4	6.35	0.030	0.76	2-1/2	63.50	0.375	9.53
3/8	9.53	5/16	7.94	0.030	0.76	3	76.20	0.437	11.11
1/2	12.70	7/16	11.11	0.030	0.76	4	101.60	0.562	14.27
5/8	15.88	9/16	14.29	0.030	0.76	5	127.00	0.625	15.88
3/4	19.05	11/16	17.46	0.035	0.89	6	152.40	0.875	22.23
1	25.40	15/16	23.81	0.040	1.02	8	203.20	1.000	25.40

*Cut from PTFE, FEP, PFA, ETFE tubing.

