

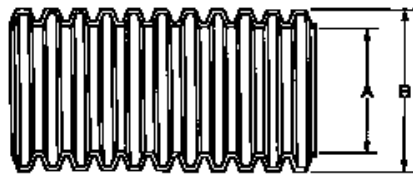
CONVOLUTED TUBING

Convoluted tubing provides an efficient method of routing and protecting wire harness assemblies, while reducing the chance of installation damage. It also can serve to protect valuable wiring circuits.

HellermannTyton's convoluted tubing offers excellent protection against automotive fluids, vibration wear, water, snow, ice, and the effects of heat, cold, and sunlight on cables and wires.

Ideal Uses:

- Control Panel Wire Harnesses
- Auto, Truck, and Bus Industry Applications
- Trailer & R.V. Manufacturing
- Snowmobiles and Watercraft
- Agricultural and Construction Machinery
- Electronic Equipment Wire Management



Convoluted Tubing Dimensions

Size	I.D. – In. A	O.D. – In. B	Wall Thickness Min.
1/4"	.236/.264	.376/.400	.004
3/8"	.344/.374	.489/.519	.006
1/2"	.479/.509	.660/.690	.007
5/8"	.603/.633	.805/.840	.007
3/4"	.720/.755	.953/.988	.007
1"	1.008/1.048	1.288/1.328	.009
1-1/4"	1.245/1.295	1.414/1.465	.009
1-1/2"	1.555/1.605	1.853/1.903	.009
2"	1.980/2.035	2.343/2.409	.009

Convoluted Tubing Materials

Material	Color	Operating Range
Polyethylene	Black	-40°F Min. 200°F Max.
Nylon	Black with Gray Stripe	-40°F Min. 300°F Max.
Flame Retardant Polyethylene*	Gray	-40°F Min. 200°F Max.
Flame Retardant Polypropylene*	Blue/Green Black with Gray stripe	-40°F Min. 275°F Max.
Heat Stabilized Polypropylene*	Black with Green Stripe	-40°F Min. 275°F Max.

* Available upon request. Custom terms apply.



Convoluted Tubing

Hellermann Tyton Part No.	Description	Pkg. Qty.
Polyethylene		
CTP140STD CTP140	1/4" Black Polyethylene-Standard Carton 1/4" Black Polyethylene-Bulk Carton	3,200' 25,000'
CTP380STD CTP380	3/8" Black Polyethylene-Standard Carton 3/8" Black Polyethylene-Bulk Carton	2,000' 15,000'
CTP120STD CTP120	1/2" Black Polyethylene-Standard Carton 1/2" Black Polyethylene-Bulk Carton	1,200' 8,500'
CTP580STD CTP580	5/8" Black Polyethylene-Standard Carton 5/8" Black Polyethylene-Bulk Carton	900' 5,500'
CTP340STD CTP340	3/4" Black Polyethylene-Standard Carton 3/4" Black Polyethylene-Bulk Carton	600' 4,200'
CTP10STD CTP10	1" Black Polyethylene-Standard Carton 1" Black Polyethylene-Bulk Carton	350' 2,250'
CTP1140STD CTP1140	1-1/4" Black Polyethylene-Standard Carton 1-1/4" Black Polyethylene-Bulk Carton	300' 1,800'
CTP1120STD CTP1120	1-1/2" Black Polyethylene-Standard Carton 1-1/2" Black Polyethylene-Bulk Carton	150' 1,000'
CTP20STD CTP20	2" Black Polyethylene-Standard Carton 2" Black Polyethylene-Bulk Carton	100' 700'
Nylon		
CTN140STD CTN140	1/4" Black Nylon-w/ Gray Stripe-Standard Carton 1/4" Black Nylon-w/ Gray Stripe-Bulk Carton	3,200' 28,000'
CTN380STD CTN380	3/8" Black Nylon-w/ Gray Stripe-Standard Carton 3/8" Black Nylon-w/ Gray Stripe-Bulk Carton	2,000' 15,000'
CTN120STD CTN120	1/2" Black Nylon-w/ Gray Stripe-Standard Carton 1/2" Black Nylon-w/ Gray Stripe-Bulk Carton	1,200' 8,500'
CTN580STD CTN580	5/8" Black Nylon-w/ Gray Stripe-Standard Carton 5/8" Black Nylon-w/ Gray Stripe-Bulk Carton	900' 5,500'
CTN340STD CTN340	3/4" Black Nylon-w/ Gray Stripe-Standard Carton 3/4" Black Nylon-w/ Gray Stripe-Bulk Carton	600' 4,200'
CTN10STD CTN10	1" Black Nylon-w/ Gray Stripe-Standard Carton 1" Black Nylon-w/ Gray Stripe-Bulk Carton	350' 2,250'
CTN1140STD CTN1140	1-1/4" Black Nylon-w/ Gray Stripe-Standard Carton 1-1/4" Black Nylon-w/ Gray Stripe-Bulk Carton	300' 1,800'
CTN1120STD CTN1120	1-1/2" Black Nylon-w/ Gray Stripe-Standard Carton 1-1/2" Black Nylon-w/ Gray Stripe-Bulk Carton	150' 1,000'
CTN20STD CTN20	2" Black Nylon-w/ Gray Stripe-Standard Carton 2" Black Nylon-w/ Gray Stripe-Bulk Carton	100' 700'

Standard tubing is slit. Unslit is available upon request.

Please contact HellermannTyton for pre-cut length requirements.

Colors are available dependent upon volume requirements.

SPIRALWRAP

Spiralwrap protective sheathing allows flexible routing and lead-out of cables. The inner edges are beveled to prevent damage to cables. U.L. Recognized Spiralwrap is reusable and resistant to most chemicals. Natural and black are standard colors (see material descriptions). Colors may be available dependent upon volume requirements. Contact HellermannTyton for more information.

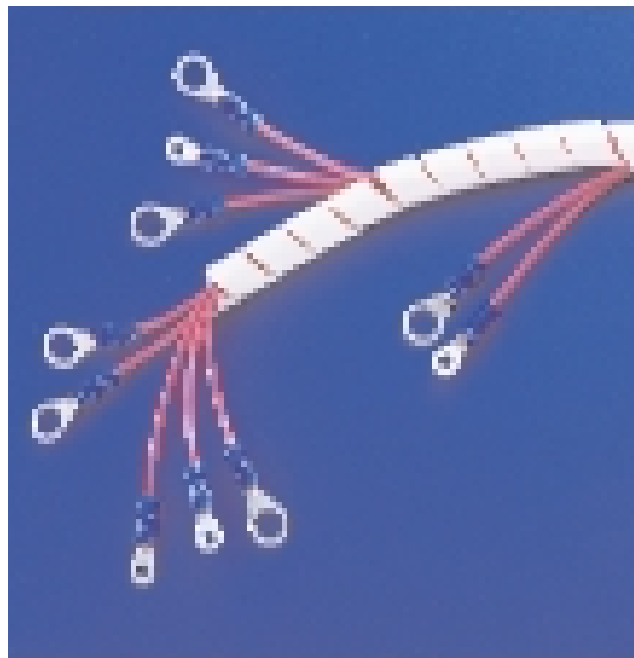
Applications:

Control Cabinet Doors: Protects cable from friction when one end of the cable is fastened within the panel and the other is fastened to the panel door. Allows flexibility and prevents wire chafing when door is opened and closed.

Robotics: Secures hoses and wires during movement.

Pneumatic Hoses: Protects hoses from abrasion while on semi-trucks and other vehicles.

Spark Plug Wires: Lengthens the life of spark plug wires by reducing abrasion to wire insulation.



Installation

Spiralwrap can be installed in two basic ways:

In a gapped installation, Spiralwrap is wrapped with space between the sheathing. This accommodates wire breakouts and also keeps the wire bundle flexible.

In a butted installation, Spiralwrap is wrapped so the sheathing completely insulates the wire bundle. This provides superior abrasion resistance and additional rigidity.

Spiralwrap Color* Non-Flame Retardant Polyethylene	Size					
	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Natural (9)	X	X	X	X	X	X
Black (0)	X	X	X	X	X	X
Brown (1)	X	X		X		
Red (2)	X		X	X	X	X
Orange (3)	X		X			
Yellow (4)	X	X	X	X	X	X
Green (5)	X	X	X			
Blue (6)	X	X	X	X	X	X
Purple (7)	X		X			
Gray (8)						
White (10)	X	X	X	X	X	X
Pink (15)			X			
DG Orange (DG3)	X	X	X	X	X	X
DG Yellow (DG4)			X			
DG Green (DG5)						
Glow in the Dark (DG9)			X			
DG Pink (DG15)		X	X			

*All size/color combinations denoted with an "X" in the table above are available upon request. Contact HellermannTyton for pricing, part numbers, and lead times. Additional size/color combinations may be available upon request. Contact your local HellermannTyton representative for pricing and minimums.