HellermannTyton

Convoluted Tubing and Accessories

Flexible Protection for Cables and Wires

MADE FOR REAL®

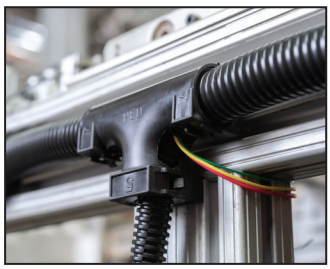
Everything you need to protect wires and cables

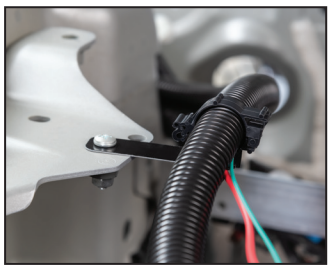
With a wide range of slit and unslit convoluted tubing options, fittings and accessories, HellermannTyton answers the market's call for a complete, lightweight solution to route and protect wire and cable.

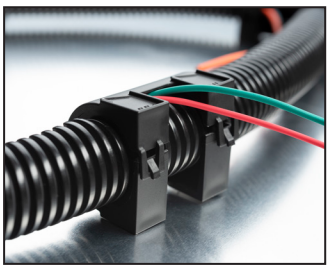
This catalog is more than a catalog

Protecting wire runs requires important considerations in regard to environment, serviceability and application type. So, not only do we offer every solution you could need to route and protect your connections ... we provide essential selection information, too.

Inside, you will find selection guides for both convoluted tubing and accessories needed to complete the install. Need slit tubing with a specific flame rating and operating temperature? Need help selecting your fittings? We make it easy.







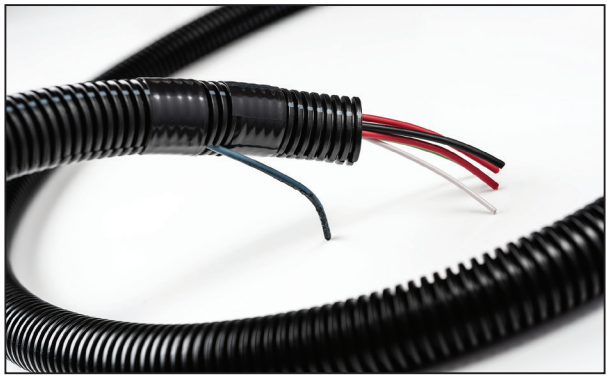
Convoluted Tubing

PA6 - Standard Protection

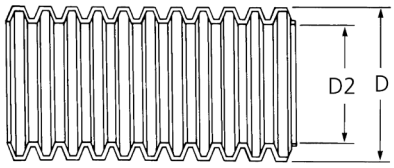
HellermannTyton's Convoluted Tubing provides an efficient method of routing and protecting wire harness assemblies while reducing the chance of installation damage. It also protects valuable hoses and cables. Available in slit or unslit, and standard, bulk and dispenser box packaging.

Features and Benefits

- Protects wire harness from fluids, friction, vibration, fraying and puncture.
- Convoluted profile provides flexibility and resistance to crushing, impact and abrasion.
- Material withstands snow, ice, water and the effects of heat, cold and sunlight.
- Lateral slit option allows for fast and easy insertion of wires, breakouts, maintenance and the addition of wires post assembly.



MATERIAL	Polyamide 6 (PA6)
Operating Temperature	-40°F to +257°F (-40°C to +125°C)
Color	Black with Gray Stripe (BKSTGY)
Flammability	UL 94 HB



RoHS

Need help choosing? See page 14.

PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit						
CTN140STD	**CTN140**	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	3200
CTN140		0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	28000
CTN380STD	**CTN380**	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1900
CTN380		0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	15,000
CTN120STD	**CTN120**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1100
CTN120		0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	8500
CTN580STD	**CTN580**	0.63 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	800
CTN340STD	**CTN340**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	550
CTN340		0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	4200
CTN10STD	**CTN10**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	300
CTN10		1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	2250
CTN1140STD	**CTN1140**	1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	250
169-60004		1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	1800
CTN1120STD	**CTN1120**	1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	150
CTN1120		1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	1000
CTN20STD	**CTN20**	2 (50.8)	2.388 (60.7)	2.038 (51.8)	0.011 (0.3)	100

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

PA6 - Standard Protection

PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Unslit						
CTN140STDUNSLIT	**CTN140UNSLIT**	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	2500
169-60023	**CTN380UNSLIT**	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1500
CTN120STDUNSLIT	**CTN120UNSLIT**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1000
169-60024	**CTN580UNSLIT**	0.63 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	700
CTN340STDUNSLIT	**CTN340UNSLIT**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	450
CTN10STDUNSLIT	**CTN10UNSLIT**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	250
CTN1140UNSLIT	**CTN1140UNSLIT**	1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	200

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

PA6 - Slit Dispenser Box

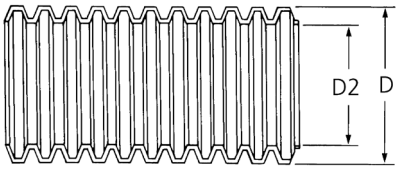
HellermannTyton's Slit Convoluted Tubing provides an efficient method of routing and protecting wire harness assemblies while reducing the chance of installation damage. It also protects valuable hoses and cables. Tubing is slit and comes in a dispenser box package.

Features and Benefits

- Protects wire harness from fluids, friction, vibration, fraying and puncture.
- Convoluted profile provides flexibility and resistance to crushing, impact and abrasion.
- Material withstands snow, ice, water and the effects of heat, cold and sunlight.
- Lateral slit allows for fast and easy insertion of wires, breakouts, maintenance and the addition of wires post assembly.

MATERIAL	Polyamide 6 (PA6)
Operating Temperature	-40°F to +257°F (-40°C to +125°C)
Color	Black with Gray Stripe (BKSTGY)
Flammability	**UL 94 HB**

RoHS



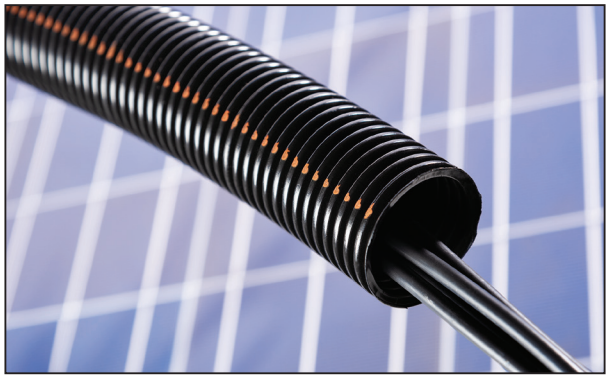
PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit Dispenser Box						
169-60022	**CTN140**	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	100
169-60018	**CTN380**	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	100
169-60019	**CTN120**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	100
169-60020	**CTN340**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	100
169-60021	**CTN10**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	50

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

PEUV - UV Resistant

HellermannTyton's Polyethylene Ultraviolet Convoluted Tubing provides added protection against UV radiation for long-term outdoor use. The tubing is an efficient method of routing and protecting wire harness assemblies while reducing the chance of installation damage. It also protects valuable hoses and cables. Tubing is slit and comes in bulk packaging.

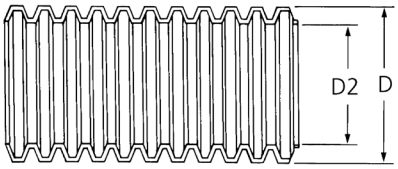


MATERIAL	Polyethylene, UV-resistant (PEUV)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Color	Black with Orange Stripe (BKSTOG)
Flammability	**Not Flame Retardant**

HF ✓ RoHS ✓

Features and Benefits

- Added UV radiation protection makes it ideal for solar applications.
- Protects wire harness from fluids, friction, vibration, fraying and puncture.
- Convoluted profile provides flexibility and resistance to crushing, impact and abrasion.
- Material withstands snow, ice, water and the effects of heat, cold and sunlight.
- Lateral slit allows for fast and easy insertion of wires, breakouts, maintenance and the addition of wires post assembly.



Need help choosing? See page 14.

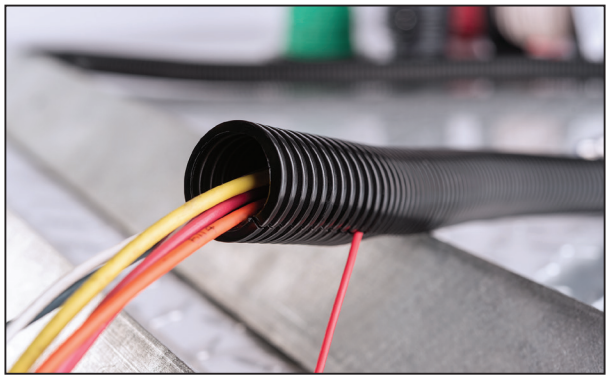
PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit						
904-00358	**CTPUV340**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	4200
904-00359	**CTPUV10**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	2250
904-00933	**CTPUV1140**	1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	1800
904-00357	**CTPUV1120**	1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	1000
904-00921	**CTPUV20**	2 (50.8)	2.388 (60.7)	2.038 (51.8)	0.011 (0.3)	800
904-02500	**CPTUV2120**	2.5 (63.5)	2.874 (73.0)	2.516 (63.9)	0.011 (0.3)	500

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

PE - Superior Flexibility

HellermannTyton's Convoluted Tubing provides an efficient method of routing and protecting wire harness assemblies while reducing the chance of installation damage. It also protects valuable hoses and cables. Available in slit or unslit, and standard, bulk and box reel packaging. Also available in colors.

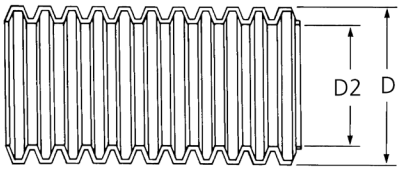


MATERIAL	Polyethylene (PE)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Color	Black (BK)
Flammability	**Not Flame Retardant**

RoHS

Features and Benefits

- Tubing provides full coverage where spiral wrap or other coverings may not be suitable.
- Protects wire harness from fluids, friction, vibration, fraying and puncture.
- Convoluted profile provides resistance to crushing, impact and abrasion for performance in harsh applications.
- Material withstands snow, ice, water and the effects of heat and cold.
- Lateral slit option allows for fast and easy insertion of wires, breakouts, maintenance and the addition of wires post assembly.



PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit						
CTP140STD	**CTP140**	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	3200
CTP380C	**CTP380**	0.38 (9.0)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	100
CTP380STD		0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1900
CTP380		0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	15,000
CTP120C	**CTP120**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	100
CTP120STD		0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1100
CTP120		0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	8500
CTP580STD	**CTP580**	5/8 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	800
CTP580		0.63 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	5500
CTP340C	**CTP340**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	100
CTP340STD		0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	550
CTP340		0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	4200

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

PE - Superior Flexibility

PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
CTP10K	CTP10	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	50
CTP10STD		1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	300
CTP10		1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	2250
CTP1140STD	CTP1140	1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	250
CTP1140		1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	1800
CTP1120STD	CTP1120	1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	150.0
CTP1120		1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	1000
CTP20STD	CTP20	2 (50.8)	2.388 (60.7)	2.038 (51.8)	0.011 (0.3)	100
Unslit						
CTP140STDUNSLIT	CTP140UNSLIT	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	2500
169-60526	CTP380UNSLIT	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1500
CTP120STDUNSLIT	CTP120UNSLIT	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1000
CTP580STDUNSLIT	CTP580UNSLIT	0.63 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	700
CTP340STDUNSLIT	CTP340UNSLIT	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	450
CTP10STDUNSLIT	CTP10UNSLIT	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	250
CTP10UNSLIT		1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	1800
CTP1140STDUNSLI	CTP1140UNSLIT	1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	200
CTP1120STDUNSLI	CTP1120UNSLIT	1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	100

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Need help choosing?
See page 14.

Convoluted Tubing

PE-FR - Flame Retardant

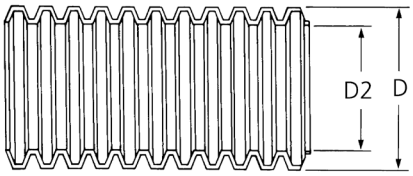
HellermannTyton's Polyethylene Flame Retardant Convoluted Tubing is made of a self-extinguishing material and complies with UL 94 V2 standards. The tubing is an efficient method of routing and protecting wire harness assemblies while reducing the chance of installation damage. It also protects valuable hoses and cables. Available in slit or unslit, and comes in bulk packaging.

MATERIAL	Polyethylene, flame retardant (PE-FR)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Color	Gray (GY)
Flammability	UL 94 V-2

RoHS

Features and Benefits

- Flame resistance makes product ideal for regulated industries that require it.
- Protects wire harness from fluids, friction, vibration, fraying and puncture.
- Convoluted profile provides flexibility and resistance to crushing, impact and abrasion.
- Material withstands snow, ice, water and the effects of heat and cold.
- Lateral slit option allows for fast and easy insertion of wires, breakouts, maintenance and the addition of wires post assembly.



PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit						
169-60302	**CTPFR140**	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	3200
169-60304	**CTPFR380**	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1900
169-60301	**CTPFR120**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1100
169-60303	**CTPFR340**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	550
169-60300	**CTPFR10**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	300
169-60310	**CTPFR1140**	1.25 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	250
169-60311	**CTPFR1120**	1.5 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	150.0
Unslit						
169-60307	**CTPFR140UNSLIT**	0.25 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	2500
169-60309	**CTPFR380UNSLIT**	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1500
169-60306	**CTPFR120UNSLIT**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1000
169-60308	**CTPFR340UNSLIT**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	450
169-60305	**CTPFR10UNSLIT**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	250

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

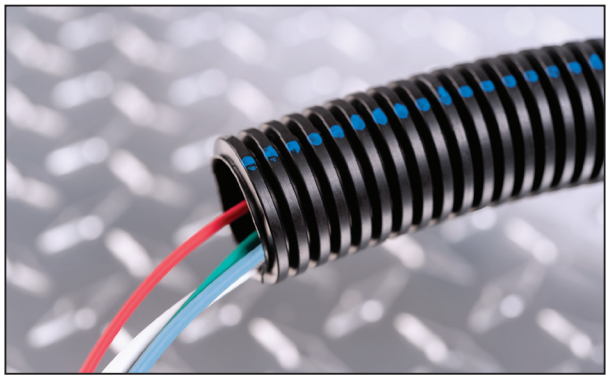
Convoluted Tubing

PPFR - High Temperature, Flame Retardant

HellermannTyton's Polypropylene Flame Retardant Convoluted Tubing is made of a self-extinguishing material. The tubing is an efficient method of routing and protecting wire harness assemblies while reducing the chance of installation damage. It also protects valuable hoses and cables.

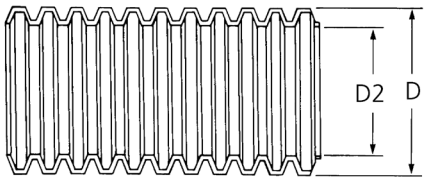
Features and Benefits

- Flame resistance makes product ideal for regulated industries that require it.
- Protects wire harness from fluids, friction, vibration, fraying and puncture.
- Convoluted profile provides flexibility and resistance to crushing, impact and abrasion.
- Material withstands snow, ice, water and the effects of heat and cold.
- Lateral slit option allows for fast and easy insertion of wires, breakouts, maintenance and the addition of wires post assembly.



MATERIAL	Polypropylene, flame retardant (PPFR)
Operating Temperature	-40°F to +257°F (-40°C to +125°C)
Color	Black with Blue Stripe (BKSTBL)
Flammability	**Self-extinguishing in 60 seconds**

RoHS



Need help choosing? See page 14.

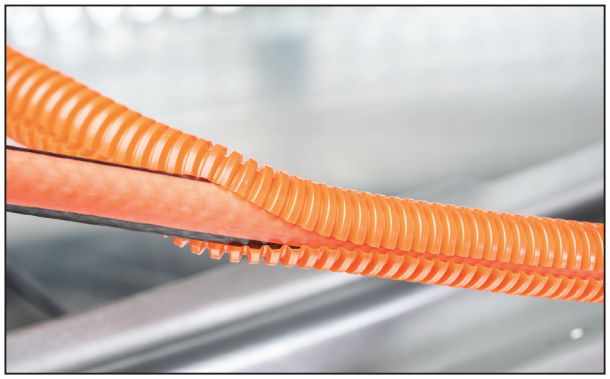
PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Color	Pkg. Qty. Feet
169-60116	**CTPPFR140**	0.25 (6.4)	0.40 (10.2)	0.266 (6.8)	0.004 (0.1)	Black with Blue Stripe	3200
169-60118	**CTPPFR380**	0.38 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	Black with Blue Stripe	1800
169-60115	**CTPPFR120**	0.5 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	Black with Blue Stripe	1100
169-60119	**CTPPFR580**	0.63 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	Black with Blue Stripe	750
169-60117	**CTPPFR340**	0.75 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	Black with Blue Stripe	500
169-60140	**CTPPFR10**	1.0 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	Black with Blue Stripe	300
169-60114	**CTPPFR1120**	1.50 (38.1)	1.50 (38.1)	1.647 (41.8)	0.006 (0.2)	Black with Blue Stripe	100

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

Convoluted Tubing in PE

HellermannTyton's Convoluted Tubing, also known as split loom tubing, provides an efficient method of routing and protecting wire harness assemblies, while reducing the chance of installation damage. With a split down the side where a wire harness can be inserted, convoluted tubing can be easily installed without removal of the entire assembly. It can also protect valuable hoses and cables. Convoluted tubing offers excellent protection against vibration wear, water, snow, ice and the effects of heat, cold and sunlight on cables and wires.

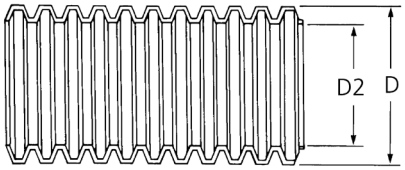


Features and Benefits

- Split side is ideal for applications where braided tubing or spiral wrap may be difficult to install.
- Provides resistance to crushing, impact and abrasion for performance in harsh applications.

MATERIAL	Polyethylene (PE)
Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Color	Orange (OG), High Voltage (HV)
Flammability	**Not Flame Retardant**

RoHS



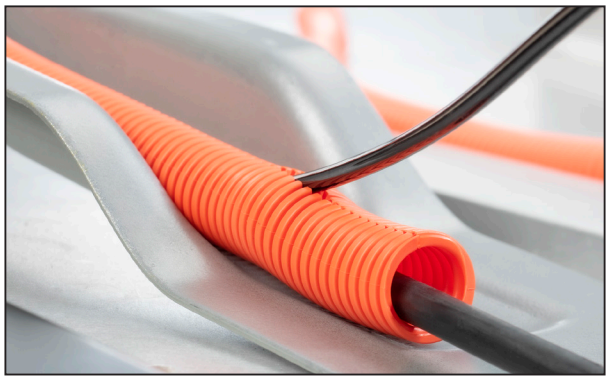
PART NO.	TYPE	Nominal Dia. in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit						
169-60550	**CTP140**	1/4 (6.4)	0.398 (10.1)	0.276 (7.0)	0.004 (0.1)	3200
169-60553	**CTP380**	3/8 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1900
169-60549	**CTP120**	1/2 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1100
169-60552	**CTP340**	3/4 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	550
169-60547	**CTP10**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	300
169-60555	**CTP1140**	1-1/4 (31.8)	1.50 (38.1)	1.257 (31.9)	0.006 (0.2)	250
169-60548	**CTP1120**	1-1/2 (38.1)	1.947 (49.5)	1.647 (41.8)	0.006 (0.2)	150
169-60551	**CTP20**	2 (50.8)	2.388 (60.7)	2.038 (51.8)	0.011 (0.3)	100

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing

Flame-Retardant Slit Tubing with UV Inhibitor (PP+V2+UV)

HellermannTyton's Orange Flame-Retardant Polypropylene with UV Inhibitor Convoluted Slit Tubing provides high visibility, is self-extinguishing and offers elevated protection against UV radiation for long-term outdoor use. Convoluted tubing efficiently protects wire harness assemblies, hoses and cables against vibration wear, water, snow, ice and the effects of heat, cold and sunlight on cables and wires while reducing the chance of installation damage. Its unique blend of flame-retardant polypropylene is suitable for applications requiring self-extinguishing materials and complies with UL 94 V-2 standards.

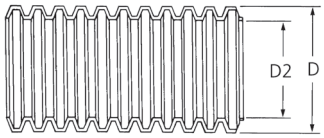


MATERIAL	Polypropylene, flame retardant, UV-stabilized (PPFRUV)
Operating Temperature	-40°F to +257°F (-40°C to +125°C)
Color	Orange (OG), High Voltage (HV)
Flammability	**UL 94 V-2**

RoHS

Features and Benefits

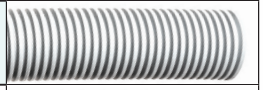
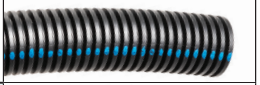
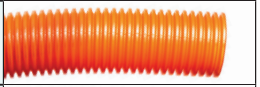
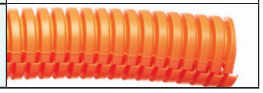
- Excellent flame-resistant properties with higher operating temperature ranges for a wider range of application environments.
- High-visibility orange color offers safe identification of high-voltage cabling.
- Lateral slit allows for fast and easy insertion, inspection and future access to cabling.
- The UV additive prevents damage and discoloration caused by long-term exposure to sunlight.



PART NO.	TYPE	Nominal Diameter in. (mm)	Outside Diameter (D) in. (mm)	Inner Diameter (D2) in. (mm)	Wall Thickness in. (mm)	Pkg. Qty. Feet
Slit						
169-60132	**CTPPFRUV380STD**	3/8 (9.7)	0.526 (13.4)	0.380 (9.7)	0.005 (0.1)	1800
169-60130	**CTPPFRUV120**	1/2 (12.7)	0.70 (17.8)	0.516 (13.1)	0.005 (0.1)	1100
169-60133	**CTPPFRUV580STD**	5/8 (16.0)	0.837 (21.3)	0.639 (16.2)	0.005 (0.1)	750
169-60131	**CTPPFRUV340STD**	3/4 (19.1)	0.989 (25.1)	0.759 (19.3)	0.005 (0.1)	500
169-60129	**CTPPFRUV10**	1 (25.4)	1.304 (33.1)	1.069 (27.2)	0.006 (0.2)	300

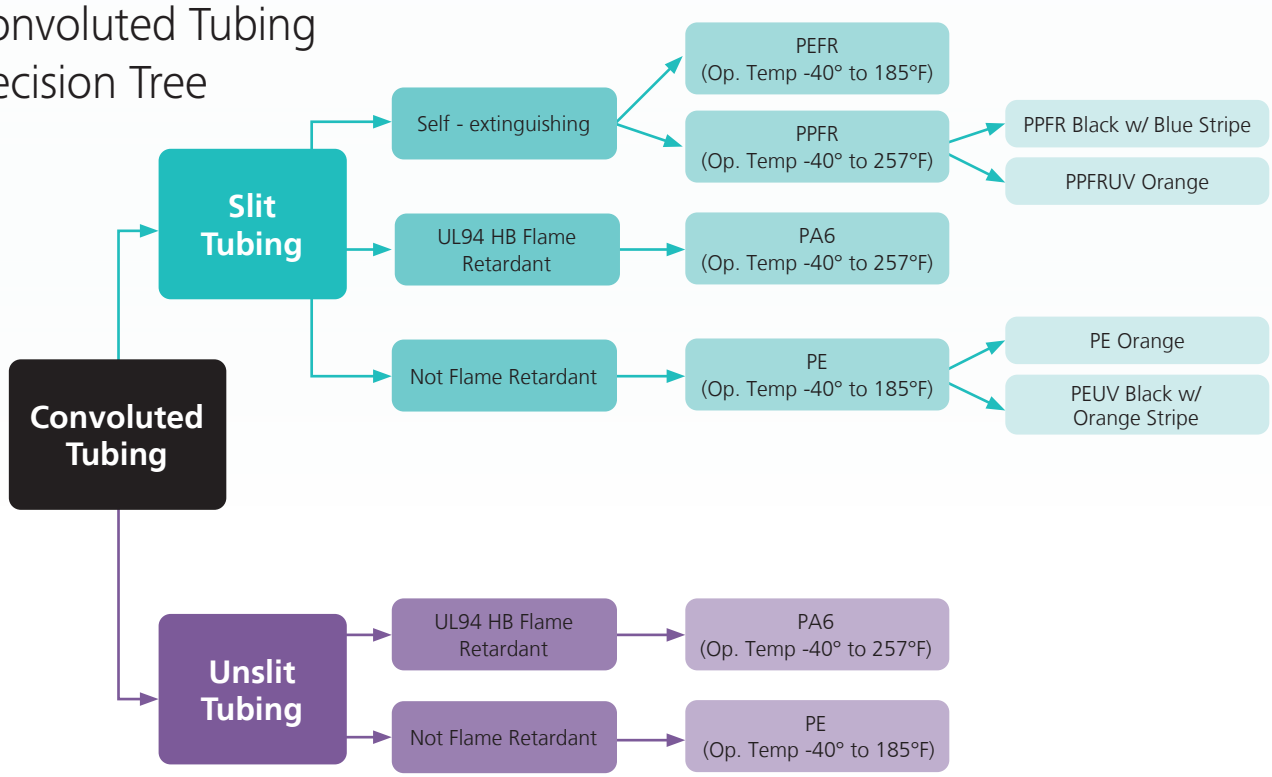
Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

Convoluted Tubing Selection Guide

Material	Flame Retardancy	Operating Temperature	UV Protection	Chemical Resistance	Abrasion Protection	Product Image
Nylon (PA6) Slit & Unslit Tubing	UL-94 HB	-40° to 257°F -40° to 125°C	–	★★	★★★	
Polyethylene (PE) Slit & Unslit Tubing	–	-40° to 185°F -40° to 85°C	–	★★	★★	
Polyethylene UV (PEUV) Slit Tubing	–	-40° to 185°F -40° to 85°C	Yes	★★	★★	
Polyethylene Flame Retardant (PEFR) Slit & Unslit Tubing	UL-94 V2	-40° to 185°F -40° to 85°C	–	★★	★★	
Polypropylene Flame Retardant (PPFR) Slit & Unslit Tubing	–	-40° to 257°F -40° to 125°C	–	★★	★★	
Orange Polyethylene (PE) Slit Tubing	–	-40°Fto 185°F -40° to 85°C	-	★★	★★	
Orange Polypropylene Flame Retardant UV (PPFRUV) Slit Tubing	UL-94 V2	-40°Fto 257°F -40° to 125°C	YES	★★	★★	

KEY	★★★ Best	★★ Better	★ Good

Convoluted Tubing Decision Tree



Convoluted Tubing - Accessories

Hinged Fittings

Convoluted Loom Fittings are one-piece hinged connectors that simply snap on over slit and unslit loom tubing to secure wire breakouts or connect different tubing diameters. The unique wraparound design makes installation easier and more efficient. Unique junction points facilitate breakouts to keep wires from sliding out of the tubing, eliminating the need for a secondary taping operation. The polypropylene material creates a sleek assembly and improves the appearance of the entire wiring assembly.

Features and Benefits

- Living hinge allows harness serviceability and reduces assembly time.
- Internal ribs affix to exterior of tubing to prevent slipping during tension or movement.
- Snap-on connection makes installations quick and easy and increases efficiencies in harness assembly.
- Junction point outlets offer additional areas to break out wires and prevent wires from sliding or accidental removal from tubing.
- Improves aesthetics of assembled wire harness.
- No tools required to disassemble.

For more information on material properties, go to: www.hellermann.tyton.com

MATERIAL	Polypropylene (PP)
Operating Temperature	-4°F to +194°F (-20°C to +90°C)
Color	Black (BK)

HF ✓ RoHS ✓

PART NO.	TYPE	Diameter (D) (Left) in. (mm)	Diameter (D3) (Center) in. (mm)	Diameter (D2) (Right) in. (mm)	Color	Pkg. Qty.	
Hinged T-Fittings							
167-00200	**CTHC-T737**	0.75 (19.1)	0.38 (9.5)	0.75 (19.1)	Black	200	
167-00201	**CTHC-T555**	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	Black	425	
167-00225	**CTHC-T557**	0.5 (12.7)	0.5 (12.7)	0.75 (12.7)	Black	180	
167-00202	**CTHC-T757**	0.75 (19.1)	0.50 (12.7)	0.75 (19.1)	Black	175	
167-00219	**CTHC-T767**	0.75 (19.1)	0.63 (16.0)	0.75 (19.1)	Black	200	
167-00220	**CTHC-T777**	0.75 (19.1)	0.75 (19.1)	0.75 (19.1)	Black	200	
167-00206	**CTHC-T101010**	1.00 (25.4)	1.00 (25.4)	1.00 (25.4)	Black	132	
Hinged Breakouts							
167-00223	**CTHC-B33**	0.38 (9.6)	-	0.38 (9.6)	Black	2000	
167-00203	**CTHC-B55**	0.50 (12.7)	-	0.50 (12.7)	Black	1100	
167-00222	**CTHC-B77**	0.75 (19.1)	-	0.75 (19.1)	Black	400	
167-00218	**CTHC-B78**	0.75 (19.1)	-	0.88 (22.4)	Black	600	
Hinged End Clamps							
167-00224	**CTHC-EC3**	0.38 (9.5)	-	-	Black	2500	
167-00217	**CTHC-EC4**	0.44 (11.2)	-	-	Black	5000	
167-00204	**CTHC-EC5**	0.50 (12.7)	-	-	Black	3000	
167-00205	**CTHC-EC7**	0.75 (19.1)	-	-	Black	2200	

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

For specific product information, see pages 18 and 19.

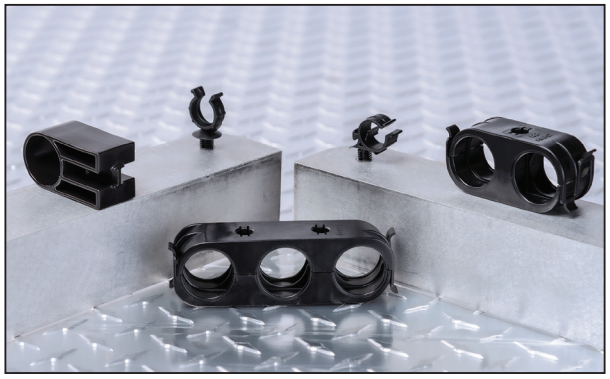
Convoluted Tubing - Accessories

Mounts, Clips, Clamps and Separators

Convoluted Tubing Clips provide a quick and easy method for firmly securing corrugated covered cables and wires to a surface.

HC Clamps separate multiple bundles and secure them to brackets or frame rails.

The Cable Guide Standoff, combined with a button head tie, provides clearance from bolts and other protrusions for protection against abrasion.



Features and Benefits

- Clip includes an internal rib that fits securely into the profile of the tubing to prevent lateral movement and slipping.
- HC Clamp mount has two pawls for easy pre-installation on a threaded fastener prior to securing with a mechanical fastener.
- Standoff secures convoluted tubing up to 26 mm in diameter.

For more information on material properties, go to: www.hellermann.tyton.com

For specific product information, see pages 18 and 19.

PART NO.	TYPE	Nominal Dia. in. (mm)	Mounting Hole Dia. in. (mm)	Material	Color	Pkg. Qty.	
Tubing Mounts, Clips & Clamps							
151-00018	**CTC10FT6LG**	0.38 (10.0)	0.26 - 0.28 (6.5 - 7.0)	PA66HIRHS	Black	500	
155-17801	**CTC10FT9**	0.38 (10.0)	0.34 - 0.35 (8.7 - 9.0)	PA66HIRHS	Black	500	
151-14312	**CTC13FT6**	0.5 (13.0)	0.26 - 0.28 (6.5 - 7.0)	PA66HIRHS	Black	500	
151-00019	**CTC13FT6LG**	0.5 (13.0)	0.26 - 0.28 (6.5 - 7.0)	PA66HIRHS	Black	500	
151-00783	**CTCFT6**	1.56 (15.0)	0.25 - 0.26 (6.3 - 6.7)	PA66HIRHS	Black	5003	
151-00621	**CTCL16FT6LG**	0.63 (16.0)	0.25 - 0.28 (6.3 - 7.0)	PA66HIRHSUV	Black	1500	
Separators							
133-00998	**HC3A**	-	0.32 (8.1)	PA66HIRGF13	Black	500	
Standoff Guides							
151-00006	**CGS1**	-	0.50 (12.7)	PA66HIRHSUV	Black	250	
133-00285	**CGS2**	-	0.50 (12.7)	PA66HIRHS	Black	150	

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

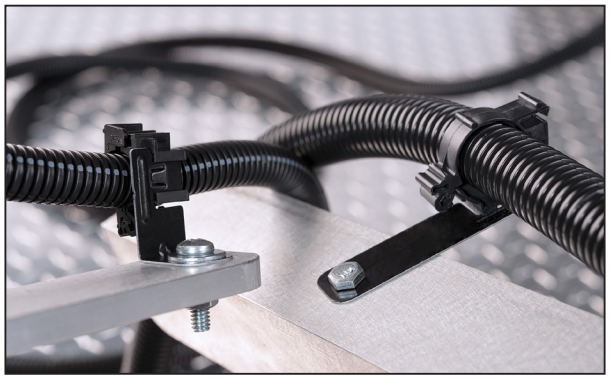
Convoluted Tubing - Accessories

Bracket-Style Clamps

The Convoluted Tubing Clamp provides a quick method for securing and routing convoluted tubing. The clamp has an internal rib that prevents rattling and movement. Living hinge allows placement and positioning of tubing before locking in place. Clamps are available in various tubing diameters.

Features and Benefits

- Easily installs onto convoluted tubing for reliable hold.
- Internal rib prevents movement or rattling.
- Multiple bracket configurations mount to a variety of surfaces.
- Releasable to allow for maintenance.



For more information on material properties, go to: www.hellermann.tyton.com

PART NO.	TYPE	Nominal Dia. in. (mm)	Mounting Hole Dia. in. (mm)	Material	Color	Pkg. Qty.
Bracket-Style Clamps - Straight						
151-02979	**CDC10S40.5M6**	0.38 (10.0)	0.26 (6.5)	PA66	Black	50
151-02980	**CDC13S40.5M6**	0.5 (13.0)	0.26 (6.5)	PA66	Black	50
151-02981	**CDC16S60.5M6**	0.63 (16.0)	0.26 (6.5)	PA66HIRHS	Black	50
151-02982	**CDC19S40.5M6**	0.75 (19.0)	0.26 (6.5)	PA66HIRHS	Black	50
151-02983	**CDC30S40.5M6**	1.25 (30.0)	0.26 (6.5)	PA66HIRHS	Black	25
Bracket-Style Clamps - Elbows						
151-02984	**CDC13B90OS50M10**	0.5 (13.0)	0.42 (10.6)	PA66	Black	50
151-02985	**CDC19B90OS50M10**	0.75 (19.0)	0.42 (10.6)	PA66HIRHS	Black	50
151-02986	**CDC25B90OS50M10**	1 (25.4)	0.42 (10.6)	PA66HIRHS	Black	50

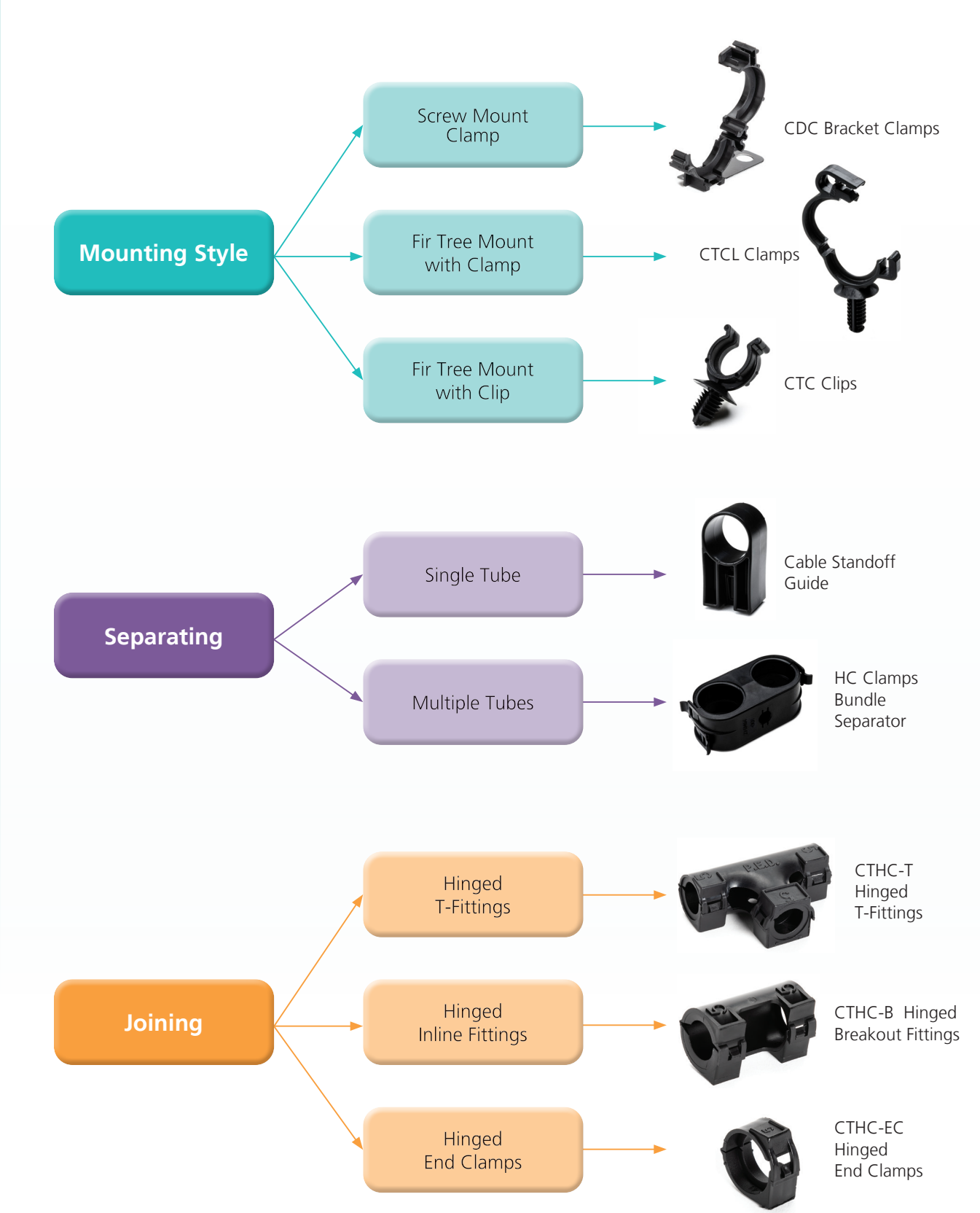
Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.

For specific product information, see pages 18 and 19.

Convoluted Tubing Accessories

	Option	Where/When Used	Advantages
	Hinged T-Fittings	Allows joining of convoluted tubing and redirect of wire and cable into multiple directions.	• Living hinge for repeated access to wires. • Easy-access breakout areas to boost productivity. • Internal rib secures tubing and eliminates slipping. • Connect same or varying diameter tubings for protecting breakouts. • Eliminates taping operation for improved aesthetics and faster assembly. • No tools required to open and close.
	Hinged Inline Breakout Fittings	Enables breakouts along a single length of convoluted tubing or when joining two lengths of tubing.	• Living hinge for repeated access to wires. • Quickly and easily adjust location of breakout areas to boost productivity. • Internal rib secures tubing and eliminates slipping. • Eliminates taping operation for improved aesthetics and faster assembly. • No tools required to open and close.
	Hinged End Clamps	Prevents wires from slipping out of convoluted tubing when mounting to a surface is not required.	• Living hinge allows repeated access to wires. • Internal rib secures tubing and eliminates slipping. • Eliminates taping operation for improved aesthetics and faster assembly. • Quickly and easily adjust location of breakout areas to boost productivity. • No tools required to open and close.
	Convoluted Tubing Bracket-Style Clamps - Straight	Holds convoluted tubing firmly in place and eliminates rattling and noise during vibration or repetitive motion.	• Bracket firmly secures clamp and tubing to panel surface. • Internal rib prevents convoluted tubing from slipping. • Releasable and adjustable latch/hinge design allows repositioning of tubing prior to snapping clamp in place.
	Convoluted Tubing Bracket-Style Clamps - Elbows	Fastens convoluted tubing at a distance from panel surface, holding firmly in place to eliminate rattling and noise during vibration or repetitive motion.	• Bracket firmly secures clamp and tubing to panel surface. • Internal rib prevents convoluted tubing from slipping. • Releasable and adjustable latch/hinge design allows repositioning of tubing prior to snapping clamp in place. • Offset bracket allows positioning around obstacles.
	Convoluted Tubing Fir Tree Mount with Clamp	Provides high retention of convoluted tubing to a panel surface and eliminates accidental removal of tubing during motion or vibration.	• Fir tree design provides low insertion and high extraction forces. • Internal rib prevents lateral movement of convoluted tubing. • Latch prevents unintentional separation of tubing from clamping device yet allows future access to convoluted tubing.
	Convoluted Tubing Fir Tree Mount with Clip	Attaches convoluted tubing to panel surface. Clip style allows quick insertion and removal of tubing.	• Fir tree design provides low insertion and high extraction forces. • Internal rib prevents lateral movement of convoluted tubing. • Open clip design allows easy access and assembly of tubing to clip.
	HC Clamps/ Bundle Separators	Separates parallel tubing runs to avoid abrasion or noise. Secures tubing to brackets or frame rails.	• Secures parallel runs of tubing, eliminating noise and abrasion. • Internal rib prevents convoluted tubing from slipping.
	Standoff Guides	Maintains assembly of tubing at defined distance from surface.	• Easy attachment using a button head cable tie. • Extended height offers clearance from bolts and other protrusions on the panel surface. • Rib feature prevents convoluted tubing from sliding laterally.

Convoluted Tubing Accessories Decision Tree



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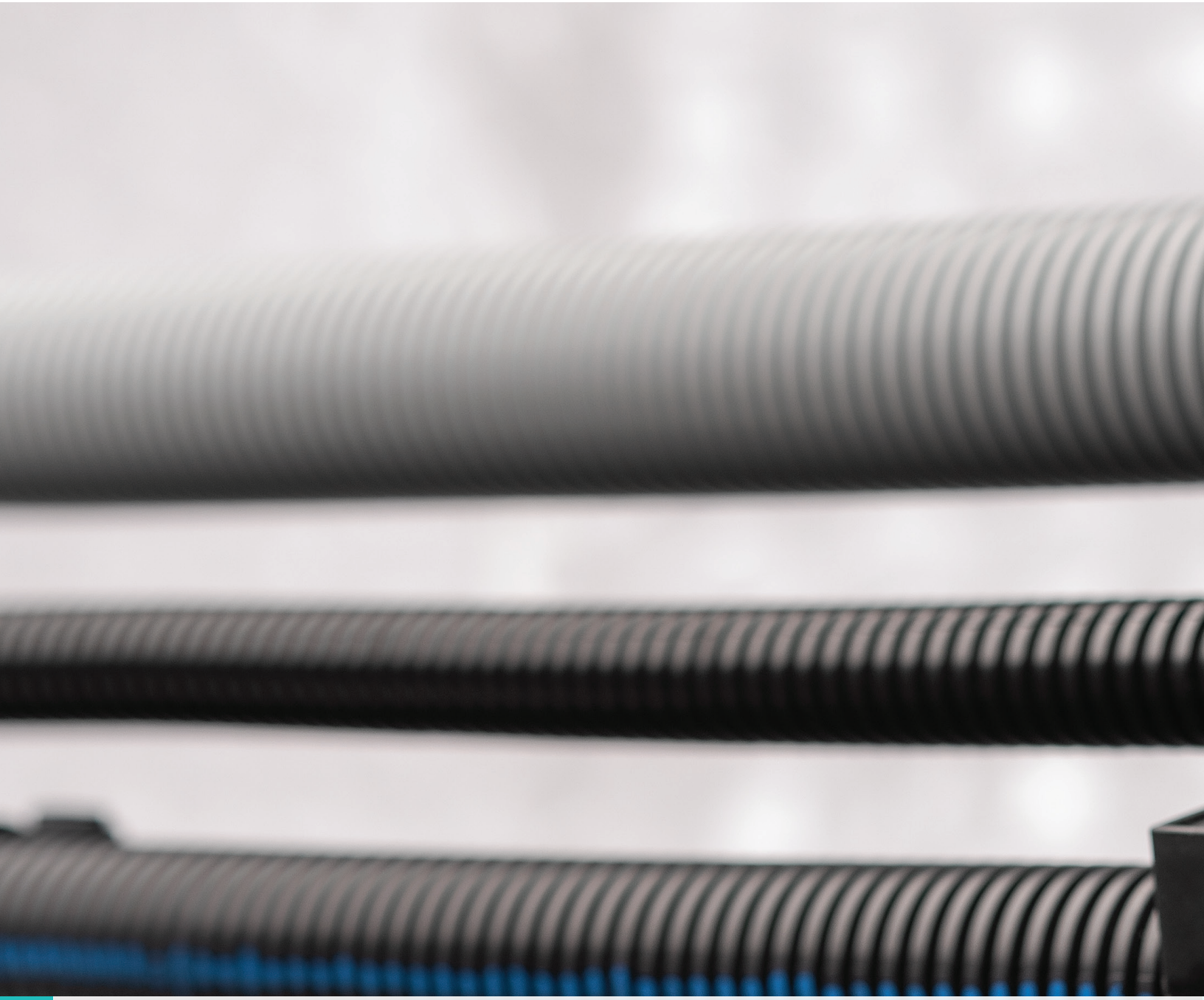

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ISO 9001 certified

Warranty Policy – HellermannTyton products are warranted to be free from defects in material and workmanship at the time sold by us; but our obligation under this warranty and that of the seller is limited to the replacement of the product, and neither we nor the seller are bound by any other warranty, expressed, implied or statutory. Under no circumstances are we or the seller liable for any loss, damage, expenses or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses.

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