

## Plastic tubing, inches PUN-H

**FESTO**



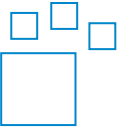
## Characteristics

### At a glance

Flexible and hydrolysis-resistant tubing with standard O.D. in various colours.

- Polyurethane
- Highly resistant to microbes and hydrolysis
- Suitable for energy chains
- Operating medium: compressed air, vacuum, water

### Ordering data - modular system



Configurable product

This product and all its product options can be ordered online via the configurator.

### Alternative material characteristic

[H] Hydrolysis-resistant

Hydrolysis-resistant and suitable for water applications.

### Tubing outside diameter

For standard O.D. tubing, the outside diameter of the tube and the wall thickness are given as the tube size.

### Packaging unit [ft]

- In some cases, available in longer lengths on a reel.

## Type code

001	Series
<b>PUN</b>	Plastic tubing, polyurethane
002	Alternative material characteristic
<b>H</b>	Hydrolysis-resistant
003	Tubing outside diameter
<b>1/8</b>	1/8"
<b>5/32</b>	5/32"
<b>3/16</b>	3/16"
<b>1/4</b>	1/4"
<b>5/16</b>	5/16"
<b>3/8</b>	3/8"
<b>1/2</b>	1/2"
<b>5/8</b>	5/8"

004	Colour
<b>BL</b>	Blue
<b>BR</b>	Brown
<b>GE</b>	Yellow
<b>GN</b>	Green
<b>NT</b>	Natural
<b>RT</b>	Red
<b>SI</b>	Silver
<b>SW</b>	Black
<b>TBL</b>	Translucent blue
<b>TGE</b>	Translucent yellow
<b>TGN</b>	Translucent green
<b>TRT</b>	Translucent red
<b>TSW</b>	Translucent black
<b>WS</b>	White

005	Packaging unit [ft]
<b>150</b>	150 ft
<b>500</b>	500 ft
<b>1000</b>	1000 ft

006	Packaging
<b>CB</b>	Cardboard box
<b>HA</b>	Reel

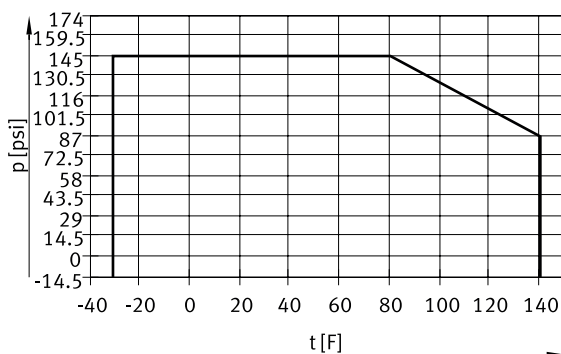
## Datasheet

### Operating and environmental conditions

Pneumatic connection	For push-in connector outside diameter of 5/32"	For push-in connector outside diameter of 1/8"	For push-in connector outside diameter of 3/16"	For push-in connector O.D. 1/4"	For push-in connector outside diameter of 5/16"	For push-in connector O.D 3/8"	For push-in connector O.D 1/2"	For push-in connector outside diameter of 5/8"
Flow-relevant bending radius	0.052 Feet	0.039 Feet	0.069 Feet	0.085 Feet	0.121 ... 0.123 Feet	0.171 Feet	0.204 Feet	0.288 Feet
Min. bending radius	0.02 Feet		0.025 Feet	0.032 ... 0.046 Feet	0.065 ... 0.066 Feet	0.081 ... 0.082 Feet	0.075 Feet	0.125 Feet
Temperature-dependent operating pressure	-14.402 ... 144.994 psi							
Note on operating pressure	Water: temperature-dependent operating pressure, see diagram, max. 0.3 MPa at 0 - 60°C							
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-] Water (liquid, ice-free)							
Suitable for use with food <sup>1)</sup>	See supplementary material information							
Ambient temperature	-31 ... 145.4°F							
Fire test material	UL94 HB							
Tubing characteristics	Suitable for energy chains							

1) More information [www.festo.com/catalogue/pun-h](http://www.festo.com/catalogue/pun-h) → Support/Downloads.

### Operating pressure p as a function of temperature t




### Materials

Shore hardness	D 52 +/-3
Material tubing	TPE-U(PU)
Instructions on use	TPE-U Ether based
Note on materials	RoHS-compliant
LABS (PWIS) conformity <sup>1)</sup>	VDMA24364-B2-L
Suitability for the production of Li-ion batteries <sup>2)</sup>	Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Element installed statically, no meaningful evaluation possible according to ISO 14644-1


1) Applies to PUN-H with O.D. 3 ... 16 mm and PUN-H-DUO

2) Applies to PUN-H with O.D. 3 ... 16 mm and PUN-H-DUO

## Ordering data

Ordering data PUN-H						
	Pneumatic connection	Packaging unit [ft]	Product weight according to length	Colour	Part no.	Type
	For push-in connector outside diameter of 5/32"	150 ft	0.09 oz/ft	Blue	567946	PUN-H-5/32-BL-150-CB
				Brown	567994	PUN-H-5/32-BR-150-CB
				Natural	567962	PUN-H-5/32-NT-150-CB
				Black	567954	PUN-H-5/32-SW-150-CB
					568017	PUN-H-5/32-SW-500-HA
	For push-in connector outside diameter of 1/8"	150 ft	0.06 oz/ft	Blue	567945	PUN-H-1/8-BL-150-CB
				Brown	567993	PUN-H-1/8-BR-150-CB
				Green	567977	PUN-H-1/8-GN-150-CB
				Natural	567961	PUN-H-1/8-NT-150-CB
				Black	567953	PUN-H-1/8-SW-150-CB
				Silver	567937	PUN-H-1/8-SI-150-CB
	For push-in connector outside diameter of 3/16"	150 ft	0.13 oz/ft	Blue	567947	PUN-H-3/16-BL-150-CB
				Yellow	567971	PUN-H-3/16-GE-150-CB
				Green	567979	PUN-H-3/16-GN-150-CB
				Natural	567963	PUN-H-3/16-NT-150-CB
				Black	567955	PUN-H-3/16-SW-150-CB
	For push-in connector O.D. 1/4"	150 ft	0.23 oz/ft		8203973	PUN-H-1/4-TGN-150-CB
				Translucent blue	8203970	PUN-H-1/4-TBL-150-CB
				Translucent yellow	8203974	PUN-H-1/4-TGE-150-CB
				Translucent red	8203972	PUN-H-1/4-TRT-150-CB
				Translucent black	8203971	PUN-H-1/4-TSW-150-CB
				Blue	567948	PUN-H-1/4-BL-150-CB
				Yellow	567972	PUN-H-1/4-GE-150-CB
				Green	567980	PUN-H-1/4-GN-150-CB
				Natural	567964	PUN-H-1/4-NT-150-CB
				Red	567988	PUN-H-1/4-RT-150-CB
		500 ft	Black	567956	PUN-H-1/4-SW-150-CB	
			Silver	567940	PUN-H-1/4-SI-150-CB	
			White	568004	PUN-H-1/4-WS-150-CB	
			Blue	568014	PUN-H-1/4-BL-500-HA	
			Natural	8003126	PUN-H-1/4-NT-500-HA	
			Black	568018	PUN-H-1/4-SW-500-HA	
Silver			568010	PUN-H-1/4-SI-500-HA		
1000 ft			Blue	568021	PUN-H-1/4-BL-1000-HA	
			Black	568023	PUN-H-1/4-SW-1000-HA	
For push-in connector outside diameter of 5/16"			150 ft	0.31 oz/ft	Blue	567949
	Brown	567997			PUN-H-5/16-BR-150-CB	
	Natural	567965			PUN-H-5/16-NT-150-CB	
	Black	567957			PUN-H-5/16-SW-150-CB	
	500 ft	Natural	8003127		PUN-H-5/16-NT-500-HA	
		Silver	568011		PUN-H-5/16-SI-500-HA	
		1000 ft	Blue		568022	PUN-H-5/16-BL-1000-HA
	Black		568024		PUN-H-5/16-SW-1000-HA	
	For push-in connector O.D. 3/8"	150 ft	0.48 oz/ft		Translucent blue	8203975
Translucent yellow				8203979	PUN-H-3/8-TGE-150-CB	
Translucent green				8203978	PUN-H-3/8-TGN-150-CB	
Translucent red				8203977	PUN-H-3/8-TRT-150-CB	
Translucent black				8203976	PUN-H-3/8-TSW-150-CB	
Blue				567950	PUN-H-3/8-BL-150-CB	

Ordering data

Ordering data PUN-H						
	Pneumatic connection	Packaging unit [ft]	Product weight according to length	Colour	Part no.	Type
	For push-in connector O.D 3/8"	150 ft	0.48 oz/ft	Brown	567998	PUN-H-3/8-BR-150-CB
				Yellow	567974	PUN-H-3/8-GE-150-CB
				Green	567982	PUN-H-3/8-GN-150-CB
				Natural	567966	PUN-H-3/8-NT-150-CB
				Red	567990	PUN-H-3/8-RT-150-CB
				Black	567958	PUN-H-3/8-SW-150-CB
				Silver	567942	PUN-H-3/8-SI-150-CB
				White	568006	PUN-H-3/8-WS-150-CB
				Blue	568016	PUN-H-3/8-BL-500-HA
				Natural	8003128	PUN-H-3/8-NT-500-HA
	Black	568020	PUN-H-3/8-SW-500-HA			
	For push-in connector O.D 1/2"	150 ft	0.88 oz/ft	Translucent blue	8203980	PUN-H-1/2-TBL-150-CB
				Translucent yellow	8203984	PUN-H-1/2-TGE-150-CB
				Translucent green	8203983	PUN-H-1/2-TGN-150-CB
				Translucent red	8203982	PUN-H-1/2-TRT-150-CB
				Translucent black	8203981	PUN-H-1/2-TSW-150-CB
				Blue	567951	PUN-H-1/2-BL-150-CB
				Yellow	567975	PUN-H-1/2-GE-150-CB
				Green	567983	PUN-H-1/2-GN-150-CB
				Natural	567967	PUN-H-1/2-NT-150-CB
Red				567991	PUN-H-1/2-RT-150-CB	
For push-in connector outside diameter of 5/8"	150 ft	1.38 oz/ft	Blue	567952	PUN-H-5/8-BL-150-CB	
			Brown	568000	PUN-H-5/8-BR-150-CB	
			Yellow	567976	PUN-H-5/8-GE-150-CB	
			Green	567984	PUN-H-5/8-GN-150-CB	
			Red	567992	PUN-H-5/8-RT-150-CB	
			White	568008	PUN-H-5/8-WS-150-CB	

Ordering data – Modular product system			
	Short type code	Part no.	Type
	PUN-	567446	PUN-U