

Spiral plastic tubing PUN-SG

FESTO



Characteristics

At a glance

Pre-assembled plastic tubing with rotatable threaded outlets for supplying compressed air tools.

- Polyurethane, nickel-plated brass, polyacetal
- Pre-assembled with non-detachable rotatable fittings
- Operating medium: compressed air, vacuum
- Highly resistant to microbes and hydrolysis

Diagrams

Link [pun-sg](#)



The diagrams shown in this document are also available online. These can be used to display precise values.

Pipe/tubing O.D. x wall thickness

For this spiral tubing, the outside diameter of the tubing and the wall thickness are specified as the tubing size.

Design

Extremely flexible and largely hydrolysis-resistant pneumatic tubing with fabric insert.

Working length [m]

The working length is 80% of the maximum permissible extension.

Type code

001	Series	
PUN	Plastic tubing, polyurethane	
002	Tubing O.D. x wall thickness	
10x1,5	10x1.5 mm	
12x2	12x2 mm	
003	Design	
SG	Spiral with fabric	

004	Working length [m]	
2,4	2.4	
4,8	4.8	
6	6	
005	Colour	
BL	Blue	
006	Pneumatic connection	
1/4	Male thread G1/4	
3/8	Male thread G3/8	

Datasheet

General technical data

Outside diameter	10 mm	12.4 mm
Pneumatic connection, port 1	Male thread G1/4	Male thread G3/8
Pneumatic connection, port 2	Male thread G1/4	Male thread G3/8
Nominal torque	10 Nm	13 Nm
Tolerance for nominal tightening torque	± 20%	

Tube geometry

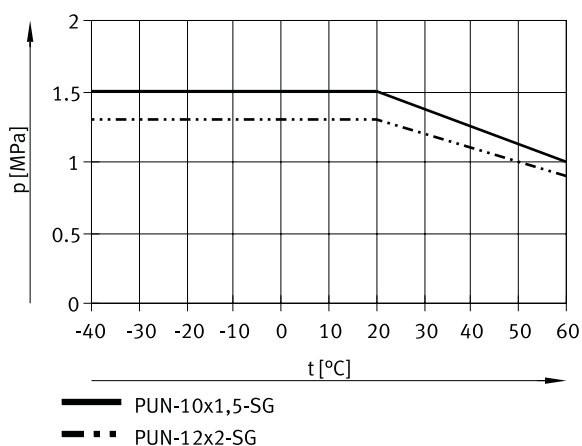
Outside diameter	10 mm			12.4 mm	
Working length	2.4 m	4.8 m	6 m	4.8 m	6 m
Inside diameter	6 mm			8 mm	
Winding diameter	42 mm			51 mm	
Number of turns	21	50	66	41	53

Operating and environmental conditions

Temperature-dependent operating pressure	-0.95 ... 15 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Ambient temperature	-40 ... 60°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress

1) More information: www.festo.com/x/topic/crc

Operating pressure p as a function of temperature t



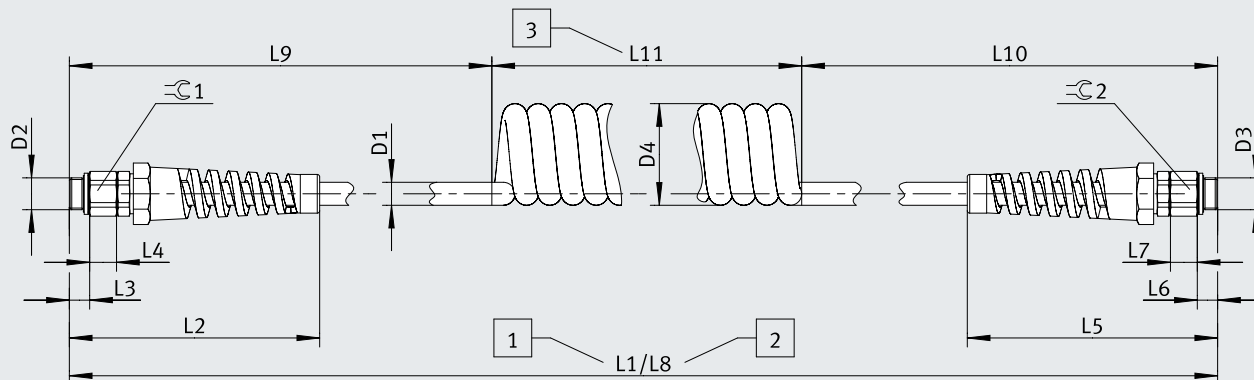
Materials

Shore hardness	A 87 +/- 3
Material tubing	TPE-U(PU)
Material connecting thread	Brass, Nickel-plated
Material buckling protection	POM
Colour	Blue
Note on materials	—
LABS (PWIS) conformity ¹⁾	VDMA24364-B1/B2-L

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

Dimensions

Dimensions

Download CAD data www.festo.com

	D1 ø	D2	D3	D4 ø ±6,35	L1 min.	L2 ±5	L3 -0,2	L4 ±0,3	L5 ±5
PUN-10X1,5-SG-2,4-BL-1/4	9,5	G1/4 A	G1/4 A	42	3000	103,5	8	11,1	103,5
PUN-10X1,5-SG-4,8-BL-1/4	9,5	G1/4 A	G1/4 A	42	6000	103,5	8	11,1	103,5
PUN-10X1,5-SG-6-BL-1/4	9,5	G1/4 A	G1/4 A	42	7500	103,5	8	11,1	103,5
PUN-12X2-SG-4,8-BL-3/8	11,7	G3/8 A	G3/8 A	51	6000	112	9	7	112
PUN-12X2-SG-6-BL-3/8	11,7	G3/8 A	G3/8 A	51	7500	112	9	7	112

	L6 -0,2	L7 ±0,3	L8	L9 ±60	L10 ±60	L11	1) 21 ±3	≈C 1 h13	≈C 2 h13
PUN-10X1,5-SG-2,4-BL-1/4	8	11,1	2400	440	240	211 ±50	21 ±3	17	17
PUN-10X1,5-SG-4,8-BL-1/4	8	11,1	4800	440	240	490 ±100	50 ±6	17	17
PUN-10X1,5-SG-6-BL-1/4	8	11,1	6000	440	240	643 ±120	66 ±7	17	17
PUN-12X2-SG-4,8-BL-3/8	9	7	4800	440	240	496 ±90	41 ±5	19	19
PUN-12X2-SG-6-BL-3/8	9	7	6000	440	240	637 ±110	53 ±6	19	19

Ordering data

Ordering data						
	Outside diameter	Working length	Block length	Product weight	Part no.	Type
	10 mm	2.4 m	0.891 m	275 g	533463	PUN-10X1,5-SG-2,4-BL-1/4
		4.8 m	1.17 m	340 g	533464	PUN-10X1,5-SG-4,8-BL-1/4
		6 m	1.323 m	430 g	533465	PUN-10X1,5-SG-6-BL-1/4
	12.4 mm	4.8 m	1.176 m	480 g	533466	PUN-12X2-SG-4,8-BL-3/8
		6 m	1.317 m	560 g	533467	PUN-12X2-SG-6-BL-3/8