

Characteristics

At a glance

Extremely flexible plastic tubing.

- Polyurethane
- Also available as DUO plastic tubing
- Operating medium: compressed air, vacuum
- High resistance to stress cracks

Diagrams

Further information → [pun-s](#)



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.

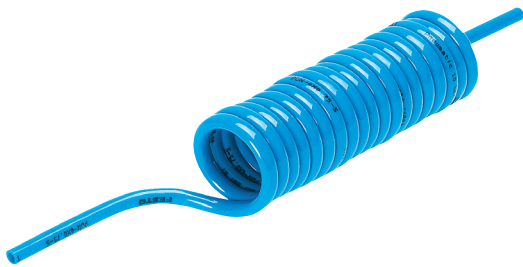
Working length [m]

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

Number of tubes

[]

Single tubing



Consists of a single tube

[DUO]

Paired tubing



Two pieces of tubing are welded together to form a pair. During installation, the tubing pair is cut to the required length at both ends.

Type code

001	Series
PUN	Plastic tubing, polyurethane

002	Pipe/tubing outside diameter [mm]
4	4
6	6
8	8
10	10
12	12

003	Design
S	Spiral

004	Working length [m]
0,5	0.5
1	1
1,5	1.5
2	2
6	6

005	Number of tubes
	Single tubing
DUO	Paired tubing

006	Colour
BL	Blue
BS	Blue/black
SW	Black

Datasheet

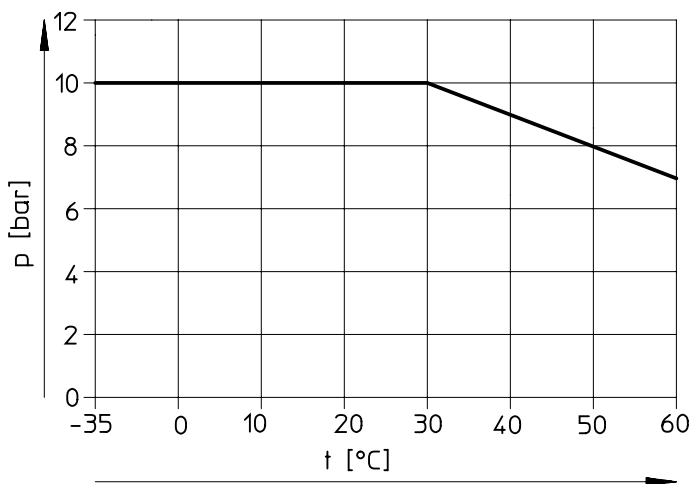
General technical data

Outside diameter	4	6	8	10	12
Pneumatic connection	For push-in connector O.D. 4 mm For barbed fitting I.D. 3 mm with union nut For barbed fitting I.D. 3 mm	For push-in connector O.D. 6 mm For barbed fitting I.D. 4 mm with union nut For barbed fitting I.D. 4 mm	For push-in connector O.D. 8 mm For barbed fitting inside diameter of 6 mm with union nut For barbed fitting inside diameter of 6 mm	For push-in connector O.D. 10 mm	For push-in connector outside diameter of 12 mm
Winding diameter	25 mm	46 mm	60 mm	80 mm	95 mm
Number of turns	20 ... 70	23 ... 168	12 ... 87	9.5 ... 70	9 ... 64

Operating and environmental conditions

Temperature-dependent operating pressure	-0.95 ... 10 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Ambient temperature	-35 ... 60°C
Approval	German Technical Control Board (TÜV)
Certificate issuing authority	B 013277 0506 00

Operating pressure p as a function of temperature t



Materials

Shore hardness	D 52 +/-3
Material tubing	TPE-U(PU)
Colour	Blue, Blue/black, Black
LABS (PWIS) conformity ¹⁾	VDMA24364-B2-L

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


Ordering data

Ordering data – PUN-S (colour blue)							
	Outside diameter	Inside diameter	Working length	Block length	Product weight	Part no.	Type
	4 mm	2.6 mm	0.5 m	0.184 m	13 g	197587	PUN-4X0,75-S-0,5-BL
			1 m	0.284 m	27 g	197588	PUN-4X0,75-S-1-BL
			1.5 m	0.384 m	42 g	197589	PUN-4X0,75-S-1,5-BL
	6 mm	4 mm	1 m	0.344 m	51 g	197590	PUN-6X1-S-1-BL
			2 m	0.518 m	110 g	197591	PUN-6X1-S-2-BL
			6 m	1.214 m	350 g	197592	PUN-6X1-S-6-BL
	8 mm	5.7 mm	1 m	0.304 m	65 g	197593	PUN-8X1,25-S-1-BL
			2 m	0.424 m	140 g	197594	PUN-8X1,25-S-2-BL
			6 m	0.904 m	440 g	197595	PUN-8X1,25-S-6-BL
	10 mm	7 mm	1 m	0.305 m	110 g	197596	PUN-10X1,5-S-1-BL
			2 m	0.43 m	250 g	197597	PUN-10X1,5-S-2-BL
			6 m	0.91 m	760 g	197598	PUN-10X1,5-S-6-BL
	12 mm	8 mm	1 m	0.32 m	200 g	197599	PUN-12X2-S-1-BL
			2 m	0.452 m	420 g	197600	PUN-12X2-S-2-BL
			6 m	0.98 m	1,300 g	197601	PUN-12X2-S-6-BL

Ordering data - PUN-S (colour black)							
	Outside diameter	Inside diameter	Working length	Block length	Product weight	Part no.	Type
	4 mm	2.6 mm	0.5 m	0.184 m	13 g	197602	PUN-4X0,75-S-0,5-SW
			1 m	0.284 m	27 g	197603	PUN-4X0,75-S-1-SW
			1.5 m	0.384 m	42 g	197604	PUN-4X0,75-S-1,5-SW
	6 mm	4 mm	1 m	0.344 m	51 g	197605	PUN-6X1-S-1-SW
			2 m	0.518 m	110 g	197606	PUN-6X1-S-2-SW
			6 m	1.214 m	350 g	197607	PUN-6X1-S-6-SW
	8 mm	5.7 mm	1 m	0.304 m	65 g	197608	PUN-8X1,25-S-1-SW
			2 m	0.424 m	140 g	197609	PUN-8X1,25-S-2-SW
			6 m	0.904 m	440 g	197610	PUN-8X1,25-S-6-SW
	10 mm	7 mm	1 m	0.305 m	110 g	197611	PUN-10X1,5-S-1-SW
			2 m	0.43 m	250 g	197612	PUN-10X1,5-S-2-SW
			6 m	0.91 m	760 g	197613	PUN-10X1,5-S-6-SW
	12 mm	8 mm	1 m	0.32 m	200 g	197614	PUN-12X2-S-1-SW
			2 m	0.452 m	420 g	197615	PUN-12X2-S-2-SW
			6 m	0.98 m	1,300 g	197616	PUN-12X2-S-6-SW

Ordering data – PUN-S-DUO							
	Outside diameter	Inside diameter	Working length	Block length	Product weight	Part no.	Type
	4 mm	2.6 mm	0.5 m	0.268 m	25 g	197617	PUN-4X0,75-S-0,5-DUO-BS
			1 m	0.468 m	55 g	197618	PUN-4X0,75-S-1-DUO-BS
			1.5 m	0.668 m	84 g	197619	PUN-4X0,75-S-1,5-DUO-BS
	6 mm	4 mm	1 m	0.488 m	102 g	197620	PUN-6X1-S-1-DUO-BS
			2 m	0.836 m	230 g	197621	PUN-6X1-S-2-DUO-BS
			6 m	2.228 m	700 g	197622	PUN-6X1-S-6-DUO-BS
	8 mm	5.7 mm	1 m	0.408 m	130 g	197623	PUN-8X1,25-S-1-DUO-BS
			2 m	0.648 m	280 g	197624	PUN-8X1,25-S-2-DUO-BS
			6 m	1.608 m	870 g	197625	PUN-8X1,25-S-6-DUO-BS
	10 mm	7 mm	1 m	0.41 m	220 g	197626	PUN-10X1,5-S-1-DUO-BS
			2 m	0.66 m	490 g	197627	PUN-10X1,5-S-2-DUO-BS
			6 m	1.62 m	1,520 g	197628	PUN-10X1,5-S-6-DUO-BS
	12 mm	8 mm	1 m	0.44 m	390 g	197629	PUN-12X2-S-1-DUO-BS
			2 m	0.704 m	830 g	197630	PUN-12X2-S-2-DUO-BS

Ordering data

Ordering data – PUN-S-DUO							
	Outside diameter	Inside diameter	Working length	Block length	Product weight	Part no.	Type
	12 mm	8 mm	6 m	1.76 m	2,600 g	197631	PUN-12X2-S-6-DUO-BS