

Plastic tubing PAN-V0

FESTO



Characteristics

At a glance

Particularly suited for use in areas in close proximity to flying sparks or welding spatter

- Polyvinyl chloride (outer hose), polyamide (inner hose)
- Flame retardant according to UL 94 V0
- High resistance to microbes and UV radiation
- Double-sheath tubing
- Operating medium: compressed air, vacuum, water, mineral oil
- Resistant to welding spatter

Note: Before the plastic tubing PAN-V0 can be inserted into the push-in fitting QS-V0, the PVC sheath of the tubing must be cut by length X (see dimensional drawing). The integrated stop in the tubing cutter PAN-V0S, which is available as an accessory, ensures that the sheath is always cut to the correct length X. The blade design prevents damage to the inner polyamide tubing.

Diagrams

Link [pan-v0](#)



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

Alternative material characteristic

[V0] Flame-retardant

With flame retardant properties for applications in areas at risk of fire.

Pipe/tubing O.D. x wall thickness

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

Packaging unit [m]

Standard: 50 m

Type code

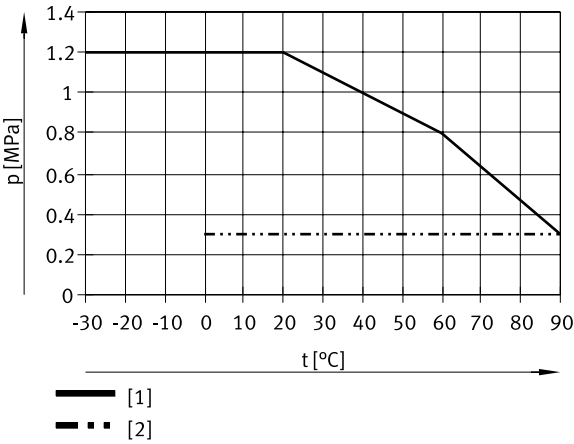
001	Series	
PAN	Standard O.D. tubing	
002	Alternative material characteristic	
V0	Flame-retardant	
003	Pipe/tubing O.D. x wall thickness	
4x0,75	4x0.75 mm	
6x1	6x1 mm	
8x1	8x1 mm	
10x1,25	10x1.25 mm	
12x1,5	12x1.5 mm	

004	Colour	
BL	Blue	
GE	Yellow	
GN	Green	
RT	Red	
SW	Black	
WS	White	
005	Packaging unit [m]	
	Standard	

Datasheet

Operating and environmental conditions					
Outside diameter	6 mm	8 mm	10 mm	12 mm	14 mm
Inside diameter	2.5 mm	4 mm	6 mm	7.5 mm	9 mm
Pneumatic connection	For push-in connector O.D. 4 mm	For push-in connector O.D. 6 mm	For push-in connector O.D. 8 mm	For push-in connector O.D. 10 mm	For push-in connector out- side diameter of 12 mm
Flow-relevant bending radius	20 mm	30 mm	45 mm	56 mm	65 mm
Min. bending radius	10 mm	13 mm	24 mm	34 mm	43 mm
Temperature-dependent oper- ating pressure	-0.095 ... 1.2 MPa				
Temperature-dependent oper- ating pressure	-0.95 ... 12 bar				
Temperature-dependent oper- ating pressure	-14 ... 170 psi				
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:] Mineral oil Water (liquid, ice-free)				
Ambient temperature	-30 ... 90°C				
Fire test material	UL94 V-0 (casing)				

Operating pressure p as a function of temperature t



- [1] Air
- [2] Water and mineral oil

Materials	
Shore hardness ¹⁾	A 72 +/-4 D 57 +/-3
Material tubing ²⁾	PA12-P PVC-P
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

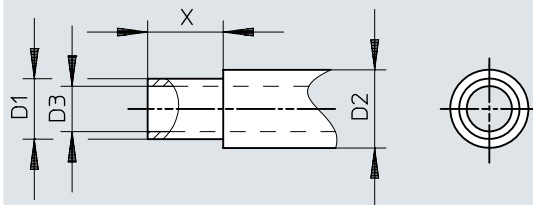
1) Outer tube: A 72 ±4, inner tube: D 57 ±3

2) Outer tube: polyvinyl chloride, inner tube: polyamide

Dimensions

Dimensions – Tubing cutter PAN-V0S

Download CAD data www.festo.com



	D1 ø	D2 ø	D3 ø	X
PAN-V0S-4	4	6	2,5	14,7±1
PAN-V0S-6	6	8	4	15,7±1
PAN-V0S-8	8	10	6	16,7±1
PAN-V0S-10	10	12	7,5	19,2±1
PAN-V0S-12	12	14	9	22,7±1

Ordering data

Ordering data						
	Outside diameter	Packaging unit [m] ¹⁾	Product weight according to length	Colour	Part no.	Type
	6 mm	Standard	0.034 kg/m	Blue	132899	PAN-V0-4X0,75-BL
	8 mm		0.049 kg/m		132905	PAN-V0-6X1-BL
				Yellow	525482	PAN-V0-6X1-GE
				Green	525470	PAN-V0-6X1-GN
				Red	525474	PAN-V0-6X1-RT
				Black	160550	PAN-V0-6X1-SW
				White	525478	PAN-V0-6X1-WS
	10 mm		0.065 kg/m	Blue	132906	PAN-V0-8X1-BL
				Yellow	525483	PAN-V0-8X1-GE
				Green	525471	PAN-V0-8X1-GN
				Red	525475	PAN-V0-8X1-RT
				Black	160551	PAN-V0-8X1-SW
				White	525479	PAN-V0-8X1-WS
	12 mm		0.088 kg/m	Blue	132907	PAN-V0-10X1,25-BL
				Yellow	525484	PAN-V0-10X1,25-GE
				Green	525472	PAN-V0-10X1,25-GN
				Red	525476	PAN-V0-10X1,25-RT
				Black	160552	PAN-V0-10X1,25-SW
				White	525480	PAN-V0-10X1,25-WS
	14 mm		0.13 kg/m	Blue	525469	PAN-V0-12X1,5-BL
				Yellow	525485	PAN-V0-12X1,5-GE
				Green	525473	PAN-V0-12X1,5-GN
				Red	525477	PAN-V0-12X1,5-RT
				Black	160553	PAN-V0-12X1,5-SW
				White	525481	PAN-V0-12X1,5-WS

1) Standard: 50 m

Accessories

Ordering data DPA-40-...-MA-SET

	Inside diameter	Colour	Product weight	Part no.	Type
	4 mm	grey	20 g	133180	PAN-V0S-4
	6 mm			133181	PAN-V0S-6
	8 mm		21 g	133182	PAN-V0S-8
	10 mm			133183	PAN-V0S-10
	12 mm			133184	PAN-V0S-12