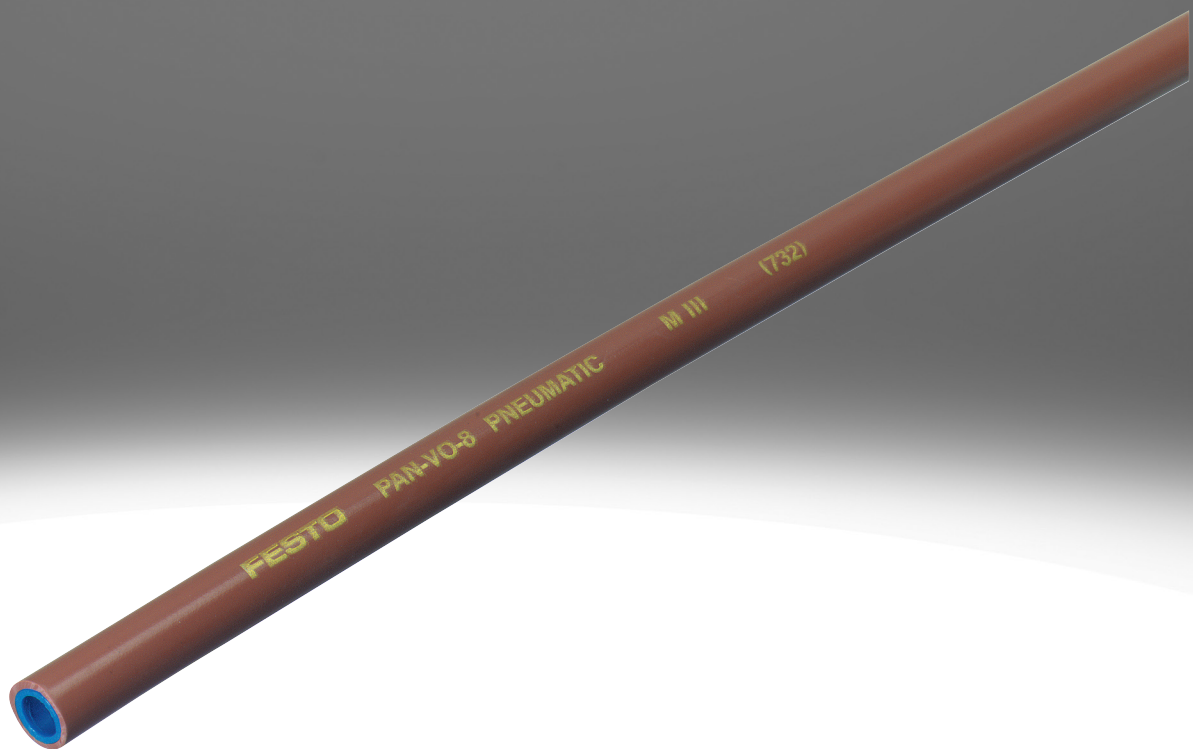


## Plastic tubing PAN-V0

**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

### Diagrams

Further information → [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

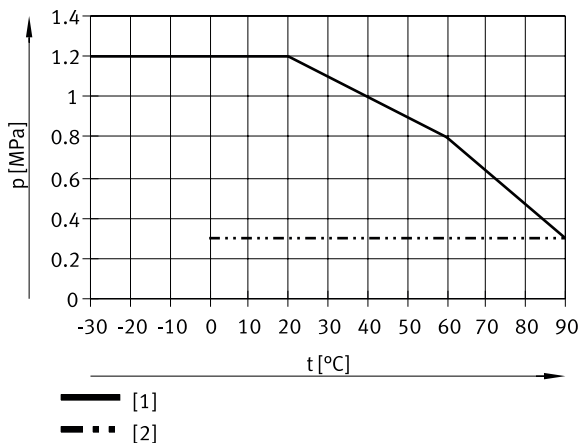
004	Colour
SW	Black
BL	Blue
RT	Red
GN	Green
GE	Yellow
WS	White
005	Packaging unit [m]
	Standard
20	20 m
50	50 m

## 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	-13.775 ... 174 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 <sup>1)</sup>	A 72 +/-4 D 57 +/-3
Material tubing <sup>2)</sup>	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

## Ordering data

Ordering data						
	Outside diameter	Packaging unit [m] <sup>1)</sup>	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			Black	132905	PAN-V0-6X1-BL
	20 m	Standard	0.049 kg/m	Black	160550	PAN-V0-6X1-SW
				Green	525470	PAN-V0-6X1-GN
				Red	525474	PAN-V0-6X1-RT
				White	525478	PAN-V0-6X1-WS
				Yellow	525482	PAN-V0-6X1-GE
	50 m	Standard	0.065 kg/m	Blue	132906	PAN-V0-8X1-BL
				Yellow	525483	PAN-V0-8X1-GE
				Black	160551	PAN-V0-8X1-SW
				Green	525471	PAN-V0-8X1-GN
				Red	525475	PAN-V0-8X1-RT
	12 mm	Standard	0.088 kg/m	White	525479	PAN-V0-8X1-WS
				Blue	132907	PAN-V0-10X1,25-BL
				Yellow	525484	PAN-V0-10X1,25-GE
				Black	160552	PAN-V0-10X1,25-SW
				Green	525472	PAN-V0-10X1,25-GN
	20 m	Standard	0.108 kg/m	Red	525476	PAN-V0-10X1,25-RT
				White	525480	PAN-V0-10X1,25-WS
				Black	160553	PAN-V0-12X1,5-SW
50 m	Standard	0.133 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	
			White	525481	PAN-V0-12X1,5-WS	

1) Standard: 50 m