

Plastic tubing PUN-CM

FESTO



Characteristics

At a glance

Provides maximum protection for electric and electronic components while offering the proven reliability of the standard tubing PUN.

- Polyurethane
- Plastic tubing, antistatic, electrically conductive
- Suitable for energy chains
- Operating medium: compressed air, vacuum

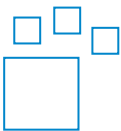
Additional documents

[Link](#) [pun-cm](#)



The additional document OD-TUBING-ADD contains further information on tubing/fitting combinations, assembly instructions and measuring procedures.

Ordering data - modular system



Configurable product

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

Engineering tools

[Link](#) [engineering tools](#)



Save time with engineering tools: Smart engineering for the optimal solution. Our goal is to increase your productivity. Our engineering tools play an integral part in achieving this goal. They help you size your system correctly, tap into unimagined productivity reserves and generate additional productivity along the entire value chain. In every phase of your project, from the initial contact to the modernisation of your machine, you will come across a number of different tools that will be of use to you.

- Flow calculation: Determine the nominal flow rate by entering parameters such as inlet pressure, outlet pressure, hose length and inside diameter.
- Media resistance: Evaluate the resistance of various material types and hoses from Festo to different chemicals and media.

Diagrams

[Link](#) [pun-cm](#)



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

Alternative material characteristic

[CM] Antistatic

For applications with electric and electronic components.

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 [m]

Standard: 50 m

Type code

001	Series
PUN	Plastic tubing, polyurethane

002	Alternative material characteristic
CM	Antistatic

003	Tubing outside diameter
12	12 mm
4	4 mm
6	6 mm
8	8 mm
10	10 mm

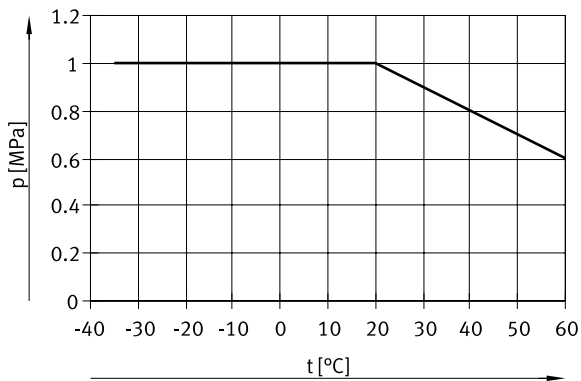
004	Colour
SW	Black

Datasheet

Operating and environmental conditions

Outside diameter	4 mm	6 mm	8 mm	10 mm	12 mm
Inside diameter	2.5 mm	4 mm	5.5 mm	7 mm	8 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	17 mm	28 mm	37 mm	60 mm	70 mm
Min. bending radius	8 mm	14 mm	20 mm	30 mm	
Temperature-dependent oper- ating pressure	-0.095 ... 1 MPa				
Temperature-dependent oper- ating pressure	-0.95 ... 10 bar				
Temperature-dependent oper- ating pressure	-13.775 ... 145 psi				
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:]				
Ambient temperature	-35 ... 60°C				
Surface resistance	0.01 ... 10 MOhm				
Tubing characteristics	Suitable for energy chains				


Operating pressure p as a function of temperature t



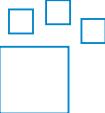
Materials

Shore hardness	D 52 +/-3
Material tubing	TPE-U(PU)
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L

Ordering data

Ordering data						
	Outside diameter	Packaging unit [m] ¹⁾	Product weight according to length	Colour	Part no.	Type
	4 mm	50 m	0.01 kg/m	Black	188882	PUN-CM-4-SW
	6 mm		0.021 kg/m		188883	PUN-CM-6-SW
	8 mm	Standard	0.035 kg/m		130816	PUN-CM-8-SW
	10 mm		0.052 kg/m		130817	PUN-CM-10-SW
	12 mm		0.081 kg/m		130818	PUN-CM-12-SW

1) Standard: 50 m

Ordering information – Modular product system			
	Short type code	Part no.	Type
	PUN, PUN-CM, PUN-H, PUN-VO, PUN-VO-C	553573	PUN