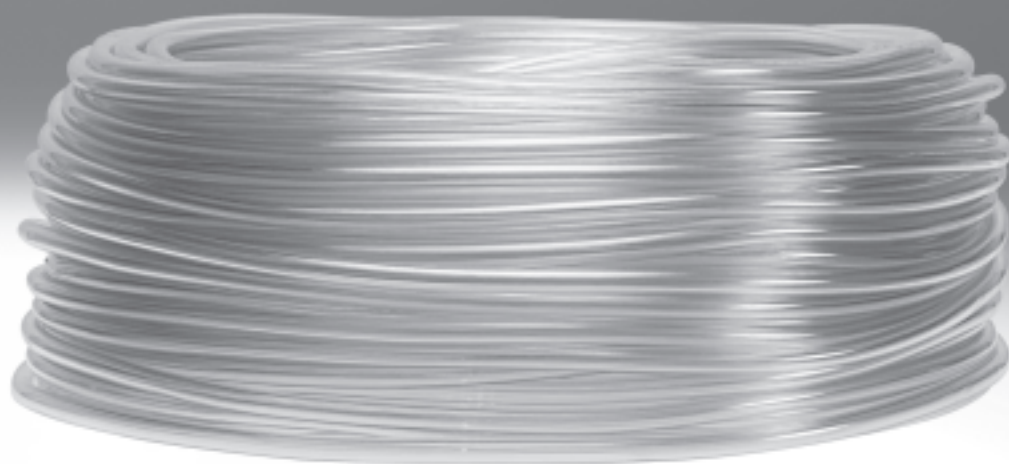


Plastic tubing

FESTO




Do not use for new designs!
 - 2 - Type PX discontinued

Plastic tubing

Product range overview

FESTO

Version	Type	Inside Ø [mm]	Colour				Operating medium			Shore hardness	→ Page/ Internet
			Silver	Blue	Black	Natural	Compressed air	Vacuum	Water (not drinking water)		
	PCN Polyvinyl chloride	4	-	-	-	■	■	-	■	76	6
	P Nitrile rubber	6, 9	-	■	■	-	■	■	■	68	5
		13, 19								71	
	PX Nitrile rubber	4, 6, 9	■	-	-	-	■	■	■	75	5

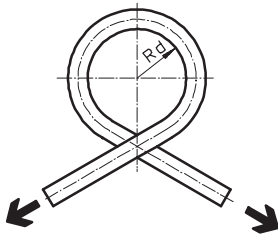
Plastic tubing

Technical data

FESTO

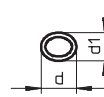
Measuring methods

Flow-relevant bending radius R_d



The tubing is bent in the direction of its inherent flexion until a 5% flattening of the tubing O.D. occurs. The R_d is then calculated.

There is no reduction in the flow rate up until the R_d is reached.

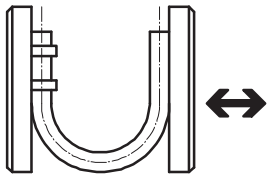


Cross section flattened as a result of bended tubing

d = non deformed tubing OD

$d1$ = deformed tubing OD

Minimum bending radius R_{min}



The tubing attached to a movable plate is bent until the deformation results in a kink.

The measured value is the minimum bending radius R_{min} . This R_{min} leads to considerable reductions in flow.

Plastic tubing

Type codes

FESTO

PCN		4	NT										
<table border="1"> <tr> <th colspan="2">Material</th> </tr> <tr> <td>PCN</td> <td>Polyvinyl chloride</td> </tr> <tr> <td>P</td> <td>Nitrile rubber</td> </tr> <tr> <td>PX</td> <td>Nitrile rubber</td> </tr> </table>		Material		PCN	Polyvinyl chloride	P	Nitrile rubber	PX	Nitrile rubber				
Material													
PCN	Polyvinyl chloride												
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<table border="1"> <tr> <th colspan="2">Internal Ø [mm]</th> </tr> </table>		Internal Ø [mm]											
Internal Ø [mm]													
<table border="1"> <tr> <th colspan="2">Colour</th> </tr> <tr> <td>–</td> <td>Silver</td> </tr> <tr> <td>SW</td> <td>Black</td> </tr> <tr> <td>BL</td> <td>Blue</td> </tr> <tr> <td>NT</td> <td>Natural</td> </tr> </table>		Colour		–	Silver	SW	Black	BL	Blue	NT	Natural		
Colour													
–	Silver												
SW	Black												
BL	Blue												
NT	Natural												

Do not use for new designs!

- 2 - Type PX discontinued


FESTO


Rubber hoses P/PX

Technical data

Rubber hose P, with textile reinforcement

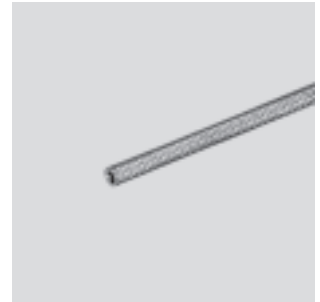
Compressed air tubing with textile reinforcement, for female hose connector type N

-  - Ambient temperature
-20 ... +80 °C

-  - Temperature dependent
operating pressure
-0.95 ... 16 bar

Material:
P-6/P-9: Nitrile rubber
P-13/P-19: Ethylene propylene
rubber, styrene-butadiene rubber

Note on material:
Free of copper and PTFE
RoHS-conform





Dimensions and ordering data								
O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Flow-relevant bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU ¹⁾ [m]
13	6	20	45	0.144	Blue	2231	P-6-BL	40
16	9	30	60	0.186	Blue	2232	P-9-BL	40
23	13	50	100	0.400	Black	2234	P-13-SW	40
31	19	60	200	0.649	Black	2235	P-19-SW	40

1) Packaging unit

Rubber hose PX, with metal braiding

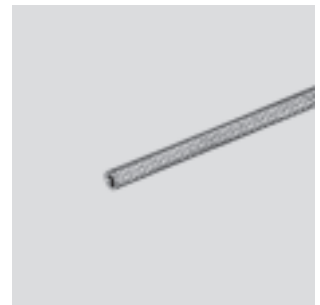
For fitting CX
Heavy duty tubing

-  - Ambient temperature
-20 ... +80 °C

-  - Temperature dependent
operating pressure
0 ... 12 bar

Material:
Nitrile rubber

Material note:
Contains paint wetting impairment
substances



Dimensions and ordering data							
O.D.	I.D.	Flow-relevant bending radius	Weight	Colour	Part No.	Type	PU ¹⁾
[mm]	[mm]	[mm]	[kg/m]				[m]
7	4	20	0.101	Silver	4093	PX-4 - 2 -	40
9	6	30	0.140	Silver	4094	PX-6 - 2 -	40
12	9	45	0.171	Silver	4095	PX-9 - 2 -	40

1) Packaging unit


Plastic tubing PCN


Technical data

FESTO

Plastic tubing PCN

for use with condensate drains on D series service units

-  - Ambient temperature
-10 ... +60 °C

-  - Temperature dependent
operating pressure
-0.5 ... +0.25 bar

Material:
Polyvinyl chloride with reinforcing
fabric



Dimensions and ordering data						
O.D. [mm]	I.D. [mm]	Weight [kg/m]	Colour	Part No.	Type	PU ¹⁾ [m]
6.5	4	0.025	Natural	7134	PCN-4-NT	50

1) Packaging unit