

Miniflex PU

PU Protection Hose & Suction Hose with plastic-coated wire Helix, microbe-resistant, highly flexible



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire, plastic-coated
- wall: pure polyether polyurethane
- wall thickness: 0.3 - 1.2mm, dep. on DN

Applications

- Cable protection hose
- Protective & suction hose for solids, liquids and gases
- Suction hose for fine-grained particles, e.g. dust, powders, fibres
- Ventilation (gauge pressure & low pressure range)
- Suction hose for handheld machines
- Protective hose against mechanical wear

Properties

- protection class IP 68, EN 60 529
- axial flexible and compressable
- ageing resistant
- bending radius = outer diameter
- super lightweight
- highly flexible
- microbe and hydrolysis-resistant
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- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance

Temperature Range

- -40°C to +90°C
- peaks to +125°C

Product Variations

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	article no.	stock length	max. production length
	bar	bar	mm	mm	kg		m	m
7	0,23	0,76	10	10	0,06	000436:7:x	/	50
10	0,22	0,75	14	14	0,11	000436:10:x	/	50
13	0,21	0,74	17	17	0,13	000436:13:x	/	50
15	0,2	0,74	19	19	0,14	000436:15:x	25/50	50
16	0,2	0,74	21	21	0,19	000436:16:x	25/50	50
22	0,18	0,72	27	27	0,24	000436:22:x	25/50	50
26	0,17	0,71	30	30	0,31	000436:26:x	/	50
30	0,15	0,69	36	36	0,36	000436:30:x	/	25
32	0,13	0,69	38	38	0,44	000436:32:x	/	25
38	0,11	0,66	45	45	0,49	000436:38:x	/	25
40	0,1	0,66	47	47	0,61	000436:40:x	/	25
44	0,09	0,59	52	52	0,76	000436:44:x	/	25
45	0,09	0,59	53	53	0,76	000436:45:x	/	25
48	0,08	0,53	56	56	0,81	000436:48:x	/	25
51	0,08	0,52	58	58	0,83	000436:51:x	/	25

All data refers to a medium and ambient temperature of +20 °C.

* Refers to the inner hose lining

Subject to technical changes and colour deviations.

Available on request

- Available on request in other lengths, other sizes, in different colours