

Master-PE LF EL

PE film/foil hose, lightweight, highly flexible, electroconductive, surface resistance; $<10^4$ Ohm



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: electroconductive polyethylene
- Film thickness between spirals approx. 0.5mm

Applications

- Suction of chemical fumes and gases in ventilation and air conditioning

Properties

- very good chemical resistance
- surface resistance $< 10^4$ Ohm
- especially to solvent and other aggressive fumes
- super lightweight
- highly flexible
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- smallest bending radii
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- halogen and plasticizer-free

Temperature Range

- -40°C to +60°C
- peaks to +80°C

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	stock length	max. production length
	bar	bar	mm	kg		m	m
40	0,45	0,18	28	0,11	000465:40:x	/	25
50	0,4	0,16	35	0,14	000465:50:x	/	25
51	0,4	0,16	36	0,14	000465:51:x	/	25
60	0,4	0,16	42	0,17	000465:60:x	/	25
65	0,35	0,14	45	0,19	000465:65:x	/	25
70	0,3	0,12	49	0,20	000465:70:x	/	25
75	0,3	0,1	53	0,21	000465:75:x	/	25
76	0,3	0,1	54	0,21	000465:76:x	/	25
80	0,3	0,1	56	0,22	000465:80:x	/	25
90	0,25	0,09	63	0,25	000465:90:x	/	25
100	0,2	0,09	70	0,28	000465:100:x	/	25
102	0,2	0,09	71	0,29	000465:102:x	/	25
120	0,2	0,09	82	0,33	000465:120:x	/	25
125	0,2	0,08	85	0,35	000465:125:x	/	25
127	0,2	0,08	87	0,36	000465:127:x	/	25
130	0,2	0,07	91	0,38	000465:130:x	/	25
140	0,1	0,06	97	0,41	000465:140:x	/	25
150	0,1	0,06	100	0,48	000465:150:x	/	25
152	0,1	0,06	103	0,49	000465:152:x	/	25
160	0,1	0,05	115	0,55	000465:160:x	/	25
175	0,09	0,05	123	0,71	000465:175:x	/	25
200	0,08	0,05	140	0,81	000465:200:x	/	25
203	0,08	0,05	142	0,82	000465:203:x	/	25
250	0,05	0,04	175	1,01	000465:250:x	/	25
254	0,05	0,04	178	1,03	000465:254:x	/	25
300	0,03	0,03	210	1,22	000465:300:x	/	25
350	0,02	0,02	245	1,42	000465:350:x	/	25
400	0,02	0,02	280	1,62	000465:400: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.

Manufacturing and Delivery

- Made-to-order production in the above nominal widths, lengths, in black.

Available on request

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- Available on request in other lengths and sizes with print.