

Master-PVC LF EL

PVC Film/Foil Hose, lightweight, electroconductive, surface resistance $<10^6 \Omega$



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire, plastic-coated
- wall: soft PVC, electrically conductive
- wall thickness between spirals approx. 0.5 mm

Applications

- Chemicals industry
- Apparatus construction
- Suction and transport hose for solid, liquid and gaseous media
- Danger zones, which require electrically conductive hoses
- Transport of fine-grained particles, such as dust and powder

Properties

- surface resistance $< 10^6 \Omega$
- extremely flexible
- axial compressable
- mostly smooth inner lining
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- good oil/alkali/acid resistance
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- light
- smallest bending radii
- good chemical resistance

Temperature Range

- -20°C to +70°C
- peaks to +80°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
50	0,7	0,19	29	56	0,33	000434:050:x	/	25
51	0,7	0,19	30	57	0,33	000434:051:x	/	25
60	0,68	0,19	35	68	0,39	000434:060:x	/	25
63	0,65	0,17	37	70	0,41	000434:063:x	/	25
65	0,61	0,16	38	72	0,42	000434:065:x	/	25
70	0,55	0,13	40	77	0,45	000434:070:x	/	25
75	0,53	0,13	42	81	0,48	000434:075:x	/	25
76	0,52	0,13	43	82	0,48	000434:076:x	/	25
80	0,48	0,13	45	87	0,51	000434:080:x	/	25
90	0,41	0,09	50	98	0,58	000434:090:x	/	25
100	0,39	0,09	54	107	0,63	000434:100:x	/	25
102	0,38	0,09	55	109	0,64	000434:102:x	5/10	25
110	0,34	0,09	60	117	0,69	000434:110:x	5/10	25
115	0,34	0,09	63	122	0,72	000434:115:x	/	25
120	0,32	0,09	65	128	0,76	000434:120:x	/	25
125	0,32	0,09	67	131	0,77	000434:180:x	/	25
127	0,32	0,09	68	133	0,78	000434:127:x	5/10	25
130	0,27	0,09	70	136	0,81	000434:130:x	/	25
140	0,27	0,06	75	147	0,87	000434:140:x	/	25
150	0,27	0,06	79	156	0,93	000434:150:x	/	25
152	0,27	0,06	80	158	0,94	000434:152:x	/	25
160	0,21	0,06	85	170	1,14	000434:160:x	5/10/15	25
170	0,21	0,06	90	180	1,21	000434:170:x	/	25
175	0,21	0,06	93	185	1,24	000434:175:x	/	25
180	0,21	0,06	95	190	1,28	000434:180:x	/	25
200	0,21	0,06	103	207	1,40	000434:200:x	/	25
203	0,21	0,06	105	210	1,42	000434:203:x	/	25
225	0,14	0,03	118	235	1,59	000434:225:x	/	25
250	0,14	0,03	128	257	1,75	000434:250:x	/	25
254	0,14	0,03	130	261	1,77	000434:254:x	/	25
275	0,13	0,03	143	285	1,94	000434:275:x	/	25
280	0,13	0,03	145	290	1,97	000434:280:x	/	25
300	0,13	0,03	155	311	2,11	000434:300: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 and sizes with print.