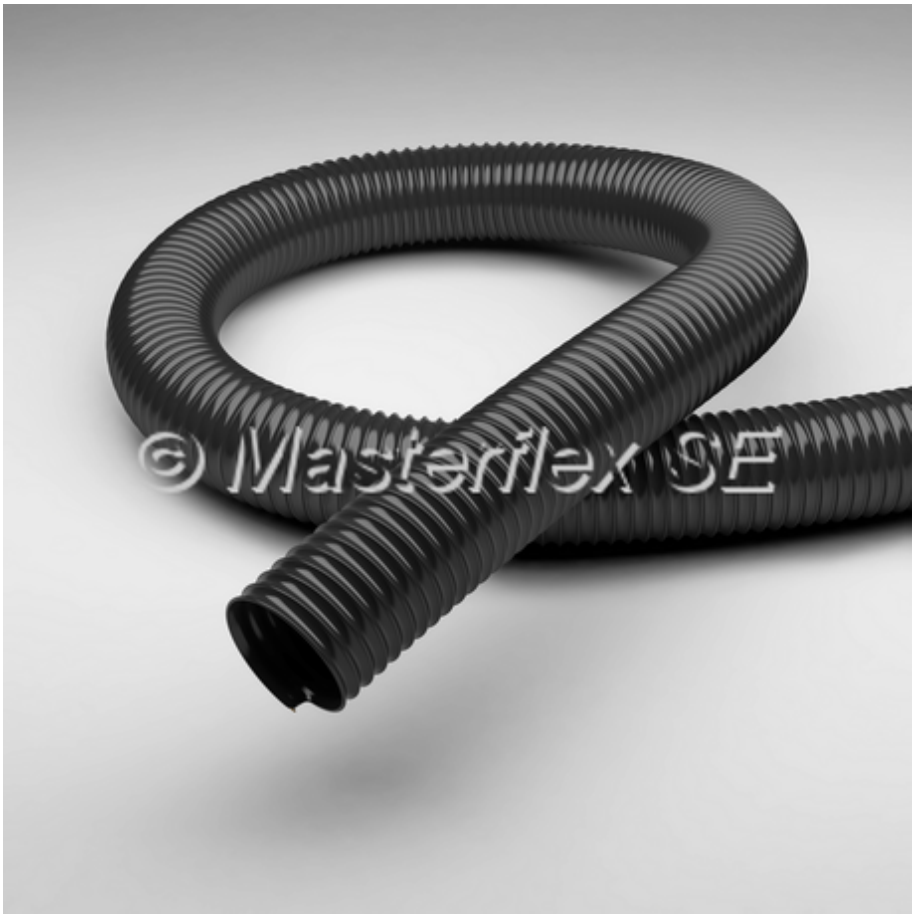
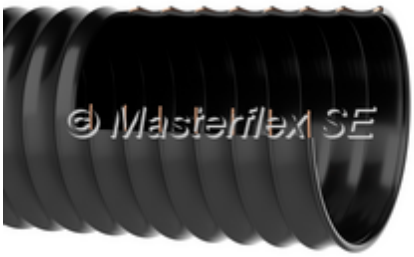
01-20-2021

Master-PE L EL

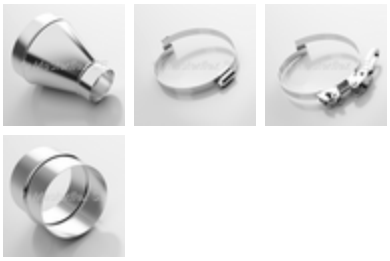
PE Suction & Transport Hose, lightweight, highly flexible, electroconductive, surface resistance; 10^4 Ohm



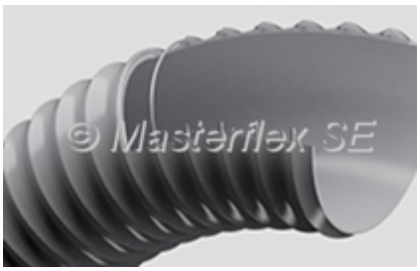
Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: electroconductive polyethylene
- wall thickness between spirals approx. 0.7 mm

Applications

- Suction & Transport Hose for aggressive gases and liquids
- Danger zones, which require electrically conductive hoses
- Transport of fine-grained particles, such as dust and powder
- Oil mist extraction/suction

Properties

- very good chemical resistance
- surface resistance < 10^4 Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- high tension/tear-proof
- light
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- flexible
- halogen free
- optimum flow characteristics
- mostly smooth inner lining
- generally good UV and ozone resistance
- oil/petroleum-proof

Temperature Range

- -35°C to +80°C
- peaks to +120°C

Product Variations (**Please replace “x” with your desired hose length.)

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	old article no.	**new article no.	stock length	max. production length
	bar	bar	mm	mm	kg			m	m
25	1,39	0,94	31	31	0,23	180-025-207	000250:25:x	/	25
26	1,35	0,93	32	32	0,24	180-026-207	000250:26:x	/	25
32	1,09	0,85	40	40	0,32	180-032-207	000250:32:x	5/10	25
38	0,91	0,79	46	46	0,35	180-038-207	000250:38:x	/	25
40	0,91	0,79	48	48	0,36	180-040-207	000250:40:x	/	25
45	0,79	0,71	53	53	0,38	180-045-207	000250:45:x	/	25
50	0,73	0,64	57	57	0,41	180-050-207	000250:50:x	/	25
51	0,72	0,62	58	58	0,41	180-051-207	000250:51:x	5/10	25
55	0,66	0,53	63	63	0,46	180-055-207	000250:55:x	/	25
60	0,6	0,53	68	68	0,48	180-060-207	000250:60:x	/	25
65	0,54	0,44	73	73	0,58	180-065-207	000250:65:x	/	25
70	0,48	0,44	78	78	0,62	180-070-207	000250:70:x	/	25
75	0,48	0,37	83	83	0,65	180-075-207	000250:75:x	/	25
76	0,48	0,35	84	84	0,65	180-076-207	000250:76:x	/	25
80	0,42	0,35	88	88	0,69	180-080-207	000250:80:x	/	25
90	0,36	0,26	99	99	0,8	180-090-207	000250:90:x	/	25
100	0,36	0,26	108	108	0,85	180-100-207	000250:100:x	/	25
102	0,36	0,26	110	110	0,86	180-102-207	000250:102:x	5/10	25
110	0,3	0,26	119	119	0,93	180-110-207	000250:110:x	/	25
115	0,3	0,26	124	124	0,96	180-115-207	000250:115:x	/	25
120	0,3	0,26	129	129	1,01	180-120-207	000250:120:x	/	25
125	0,3	0,26	133	133	1,05	180-125-207	000250:125:x	/	25
127	0,3	0,26	135	135	1,07	180-127-207	000250:127:x	/	25
130	0,24	0,26	139	139	1,09	180-130-207	000250:130:x	/	25
140	0,24	0,18	149	149	1,25	180-140-207	000250:140:x	/	25
150	0,24	0,18	159	159	1,33	180-150-207	000250:150:x	/	25
152	0,24	0,18	161	161	1,34	180-152-207	000250:152:x	/	25
160	0,24	0,18	170	170	1,58	180-160-207	000250:160:x	/	25
170	0,18	0,18	180	180	1,63	180-170-207	000250:170:x	/	25
175	0,18	0,18	185	185	1,68	180-175-207	000250:175:x	/	25
180	0,18	0,18	190	190	1,72	180-180-207	000250:180:x	/	25
200	0,18	0,18	211	211	2,03	180-200-207	000250:200:x	/	25
203	0,18	0,18	214	214	2,08	180-203-207	000250:203:x	/	25
225	0,12	0,09	235	235	2,31	180-225-207	000250:225:x	/	25

250	0,12	0,09	260	260	2,74	180-250-207	000250:250:x	/	25
254	0,12	0,09	264	264	2,75	180-254-207	000250:254:x	/	25
275	0,12	0,09	284	284	2,82	180-275-207	000250:275:x	/	25
280	0,12	0,09	290	290	2,84	180-280-207	000250:280:x	/	25
300	0,11	0,08	310	310	2,9	180-300-207	000250:300:x	/	20

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.