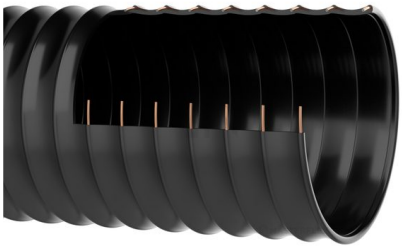

Master-PE L EL

Article Master No.: 000250

PE Suction & Transport Hose, lightweight, highly flexible, electroconductive

antistatic | electrically conductive | hydrolysis resistant | microbe resistant | flexible | light | moderately pressure resistant

Product Details

Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of electrically conductive material, made of specified material, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: polyethylene
- Specifications of the wall: surface resistance $R_o < 10^4$ Ohm

Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: halogen-free, good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance, plasticiser-free
- Flexibility: flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: black

Operating Temperature

- Temperature Range: -40 to 60 °C
- short-term maximum temperature: peaks to 120 °C

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters and lengths also ex-stock

Application Areas

- Areas of application: Bulk & Construction, Chemistry, Food & Pharma

Customizing Options

- optional item modification (on request): other nominal widths, with customer-specific imprint

Article Variants

Extended Article Number	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000250:26:x	26	32	32	0.24	1.35	0.93	25.00		5 / 10 / 15 / 20 / 25
000250:32:x	32	40	40	0.32	1.09	0.85	25.00	5 / 10	15 / 20 / 25
000250:38:x	38	46	46	0.35	0.91	0.79	25.00		5 / 10 / 15 / 20 / 25
000250:40:x	40	48	48	0.36	0.91	0.79	25.00		5 / 10 / 15 / 20 / 25
000250:45:x	45	53	53	0.38	0.79	0.71	25.00		5 / 10 / 15 / 20 / 25
000250:51:x	51	58	58	0.41	0.72	0.62	25.00	5 / 10	15 / 20 / 25
000250:55:x	55	63	63	0.46	0.66	0.53	25.00		5 / 10 / 15 / 20 / 25
000250:60:x	60	68	68	0.48	0.60	0.53	25.00		5 / 10 / 15 / 20 / 25
000250:65:x	65	73	73	0.58	0.54	0.44	25.00		5 / 10 / 15 / 20 / 25
000250:70:x	70	78	78	0.62	0.48	0.44	25.00		5 / 10 / 15 / 20 / 25
000250:76:x	76	84	84	0.65	0.48	0.35	25.00		5 / 10 / 15 / 20 / 25
000250:80:x	80	88	88	0.69	0.42	0.35	25.00		5 / 10 / 15 / 20 / 25
000250:90:x	90	99	99	0.80	0.36	0.26	25.00		5 / 10 / 15 / 20 / 25
000250:102:x	102	110	110	0.86	0.36	0.26	25.00	10	5 / 15 / 20 / 25
000250:110:x	110	119	119	0.93	0.30	0.26	25.00		5 / 10 / 15 / 20 / 25
000250:115:x	115	124	124	0.96	0.30	0.26	25.00		5 / 10 / 15 / 20 / 25
000250:120:x	120	129	129	1.01	0.30	0.26	25.00		5 / 10 / 15 / 20 / 25
000250:127:x	127	135	135	1.07	0.30	0.26	25.00		5 / 10 / 15 / 20 / 25
000250:130:x	130	139	139	1.09	0.24	0.26	25.00		5 / 10 / 15 / 20 / 25
000250:152:x	152	161	161	1.34	0.24	0.18	25.00		5 / 10 / 15 / 20 / 25
000250:160:x	160	170	170	1.58	0.24	0.18	25.00		5 / 10 / 15 / 20 / 25
000250:170:x	170	180	180	1.63	0.18	0.18	25.00		5 / 10 / 15 / 20 / 25
000250:180:x	180	190	190	1.72	0.18	0.18	25.00		5 / 10 / 15 / 20 / 25
000250:203:x	203	214	214	2.08	0.18	0.18	25.00		5 / 10 / 15 / 20 / 25
000250:225:x	225	235	235	2.31	0.12	0.09	25.00		5 / 10 / 15 / 20 / 25
000250:250:x	250	260	260	2.74	0.12	0.09	25.00		5 / 10 / 15 / 20 / 25
000250:254:x	254	264	264	2.75	0.12	0.09	25.00		5 / 10 / 15 / 20 / 25
000250:280:x	280	290	290	2.84	0.12	0.09	25.00		5 / 10 / 15 / 20 / 25
000250:275:x	275	284	284	2.82	0.12	0.09	25.00		5 / 10 / 15 / 20 / 25
000250:300:x	300	310	310	2.90	0.11	0.08	20.00		5 / 10 / 15 / 20

Extended Article Number	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Stock Lengths in m	Length (standard lengths available for order) in m
000250:25:x	25	31	31	0.23	1.39	0.94	25.00		5 / 10 / 15 / 20 / 25
000250:75:x	75	83	83	0.65	0.48	0.37	25.00		5 / 10 / 15 / 20 / 25

All data refer to a medium and ambient temperature of +20°C.
Specification of the bending radius related to the inside of the hose bend
Subject to technical changes and colour deviations

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Suitable for the product

Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses

Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses

Master-Grip Hose Clamp, screwable
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO

Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO

Master-Grip Quick-Fix Clamp
Special clamp for fastening light and medium-weight, right-hand spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO

Individual consultation

We offer consultation by phone: **+46 300 1717 0**
Product requests via: **https://www.masterflex.se/**

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