

Master-PE L EL

Article Master No.: 000250

PE Suction & Transport Hose, lightweight, highly flexible, electroconductive, Surface resistance $R_0 < 10^4 \text{ Ohm}$



antistatic



electrically
conductiv
e



hydrolysis
resistant



microbe
resistant



flexible



light



moderatel
y 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 $R_0 < 10^3 \text{ Ohm}$

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

Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths 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, other colours, with customer-specific imprint

Article Variants

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

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m	Length (standard lengths available for order) m
000250:275:x	000250	275	284	284	2.82	0.12	0.09	25.00	/	5, 10, 15, 20, 25
000250:300:x	000250	300	310	310	2.90	0.11	0.08	20.00	/	5, 10, 15, 20
000250:25:x	000250	25	31	31	0.23	1.39	0.94	25.00	/	5, 10, 15, 20, 25
000250:75:x	000250	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)).

Possible Connection Elements



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



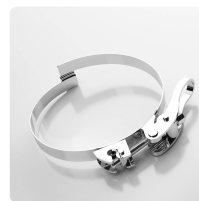
Master-Grip Hose Clamp, screwable

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:
+49 209 97077-112

Product requests via
masterflex.de/en

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

