

## 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  
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  $R_0 < 10^3 \text{ Ohm}$

#### 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



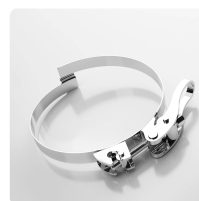
### Master-Grip Hose Clamp, screwable

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](https://masterflex.de/en)

## Address Headquarters

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