



Master-PE LF EL

Article Master No.: 000465

PE film/foil hose, lightweight, highly flexible, electroconductive, Surface resistance $R_0 < 10^4$ Ohm



antistatic



electrically
conductive



hydrolysis
resistant



microbe
resistant



compressi-
ble



very
flexible



light



moderately
pressure
resistant

Product Details

Construction / Material

- Type of construction: film hose with embedded support coil
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of electrically conductive material, foil thickness between the spirals approx. 0.5 mm
- Material of the wall: Polyethylene
- Specifications of the wall: surface resistance $R_0 < 10^4$ Ohm

Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: very good resistance to chemicals, good resistance to solvents, halogen-free, good resistance to aggressive vapours, plasticiser-free
- Mechanical Properties: small bending radius
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: black

Operating Temperature

- Temperature Range: -40 - 60
- short-term maximum temperature: peaks to 80 °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: Ventilation & Air-conditioning, Chemistry

Customizing Options

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

Article Variants

| Extended Article Number | Article number | Nominal Size (DN) mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m |
|-------------------------|----------------|-------------------------|-----------------------|----------------|---------------------------|--------------------------|-----------------------------|--------------------|
| 000465:40:x | 000465 | 40 | 28 | 0.11 | 0.45 | 0.18 | 15.00 | / |
| 000465:60:x | 000465 | 60 | 42 | 0.17 | 0.40 | 0.16 | 15.00 | / |
| 000465:65:x | 000465 | 65 | 45 | 0.19 | 0.35 | 0.14 | 15.00 | / |
| 000465:70:x | 000465 | 70 | 49 | 0.20 | 0.30 | 0.12 | 15.00 | / |
| 000465:80:x | 000465 | 80 | 56 | 0.22 | 0.30 | 0.10 | 15.00 | / |
| 000465:90:x | 000465 | 90 | 63 | 0.25 | 0.25 | 0.09 | 15.00 | / |
| 000465:120:x | 000465 | 120 | 82 | 0.33 | 0.20 | 0.09 | 15.00 | / |
| 000465:130:x | 000465 | 130 | 91 | 0.38 | 0.20 | 0.07 | 15.00 | / |
| 000465:160:x | 000465 | 160 | 115 | 0.55 | 0.10 | 0.05 | 15.00 | / |
| 000465:203:x | 000465 | 203 | 142 | 0.82 | 0.08 | 0.05 | 15.00 | / |
| 000465:250:x | 000465 | 250 | 175 | 1.01 | 0.05 | 0.04 | 15.00 | / |
| 000465:400:x | 000465 | 400 | 280 | 1.62 | 0.02 | 0.02 | 15.00 | / |
| 000465:50:x | 000465 | 50 | 35 | 0.14 | 0.40 | 0.16 | 15.00 | / |
| 000465:75:x | 000465 | 75 | 53 | 0.21 | 0.30 | 0.10 | 15.00 | / |
| 000465:100:x | 000465 | 100 | 70 | 0.28 | 0.20 | 0.09 | 15.00 | / |
| 000465:125:x | 000465 | 125 | 85 | 0.35 | 0.20 | 0.08 | 15.00 | / |
| 000465:150:x | 000465 | 150 | 100 | 0.48 | 0.10 | 0.06 | 15.00 | / |
| 000465:175:x | 000465 | 175 | 123 | 0.71 | 0.09 | 0.05 | 15.00 | / |
| 000465:200:x | 000465 | 200 | 140 | 0.81 | 0.08 | 0.05 | 15.00 | / |

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



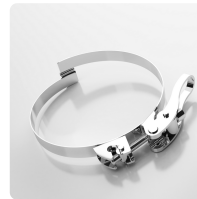
Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



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:
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Product requests via
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