

## Master-PE LF EL

Article Master No.: 000465

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



antistatic



electrically  
conductive



hydrolysis  
resistant



microbe  
resistant



compressi-  
ble



very  
flexible



light



moderate  
ly 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  $R_0 < 10^4 \text{ Ohm}$

#### 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	Length (standard lengths available for order) m
000465:40:x	000465	40	28	0.11	0.45	0.18	15.00	/	10, 15
000465:60:x	000465	60	42	0.17	0.40	0.16	15.00	/	10, 15
000465:65:x	000465	65	45	0.19	0.35	0.14	15.00	/	10, 15
000465:80:x	000465	80	56	0.22	0.30	0.10	15.00	/	10, 15
000465:90:x	000465	90	63	0.25	0.25	0.09	15.00	/	10
000465:120:x	000465	120	82	0.33	0.20	0.09	15.00	/	10, 15
000465:160:x	000465	160	115	0.55	0.10	0.05	15.00	/	10, 15
000465:203:x	000465	203	142	0.82	0.08	0.05	15.00	/	10, 15
000465:250:x	000465	250	175	1.01	0.05	0.04	15.00	/	10
000465:400:x	000465	400	280	1.62	0.02	0.02	15.00	/	10
000465:50:x	000465	50	35	0.14	0.40	0.16	15.00	/	10, 15
000465:75:x	000465	75	53	0.21	0.30	0.10	15.00	/	10, 15
000465:100:x	000465	100	70	0.28	0.20	0.09	15.00	/	10, 15
000465:125:x	000465	125	85	0.35	0.20	0.08	15.00	/	10, 15
000465:150:x	000465	150	100	0.48	0.10	0.06	15.00	/	10, 15

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



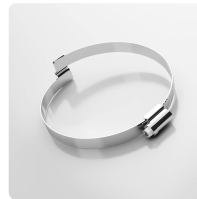
**Hose connector**  
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



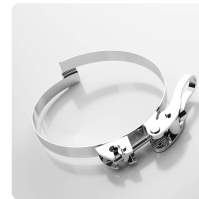
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



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

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