



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



moderatel-
y 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:
+49 209 97077-112

Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

