

Master-PVC LF EL

Article Master No.: 000434

PVC Film/Foil Hose, lightweight, electroconductive



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, wall thickness between the spirals approx. 0.5 mm
- Material of the wall: soft PVC
- 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: good resistance to oil, good resistance to chemicals, good resistance to alkaline solutions, good resistance to acids
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: black

Operating Temperature

- Temperature Range: -20 - 70
- 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 colours, other lengths, other nominal widths, 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
000434:51:x	000434	51	57	30	not specified	0.70	0.19	25.00	/	5, 10, 15, 20, 25
000434:60:x	000434	60	68	35	not specified	0.68	0.19	25.00	/	5, 10, 15, 20, 25
000434:63:x	000434	63	70	37	not specified	0.65	0.17	25.00	/	5, 10, 15, 20, 25
000434:65:x	000434	65	72	38	not specified	0.61	0.16	25.00	/	5, 10, 15, 20, 25
000434:70:x	000434	70	77	40	not specified	0.55	0.13	25.00	/	5, 10, 15, 20, 25
000434:76:x	000434	76	82	43	not specified	0.52	0.13	25.00	/	5, 10, 15, 20, 25
000434:80:x	000434	80	87	45	not specified	0.48	0.13	25.00	/	5, 10, 15, 20, 25
000434:90:x	000434	90	98	50	not specified	0.41	0.09	25.00	/	5, 10, 15, 20, 25
000434:102:x	000434	102	109	55	0.64	0.38	0.09	25.00	5, 10	5, 10, 15, 20, 25
000434:110:x	000434	110	117	60	0.69	0.34	0.09	25.00	5, 10	5, 10, 15, 20, 25
000434:115:x	000434	115	122	63	0.72	0.34	0.09	25.00	/	5, 10, 15, 20, 25
000434:120:x	000434	120	128	65	0.76	0.32	0.09	25.00	/	5, 10, 15, 20, 25
000434:127:x	000434	127	133	68	0.78	0.32	0.09	25.00	5, 10	5, 10, 15, 20, 25
000434:130:x	000434	130	136	70	0.81	0.27	0.09	25.00	/	5, 10, 15, 20, 25
000434:152:x	000434	152	158	80	0.94	0.27	0.06	25.00	/	5, 10, 15, 20, 25
000434:160:x	000434	160	170	85	1.14	0.21	0.06	25.00	5, 10, 15	5, 10, 15, 20, 25
000434:170:x	000434	170	180	90	1.21	0.21	0.06	25.00	/	5, 10, 15, 20, 25
000434:180:x	000434	180	190	95	1.28	0.21	0.06	25.00	/	5, 10, 15, 20, 25
000434:203:x	000434	203	210	105	1.42	0.21	0.06	25.00	/	5, 10, 15, 20, 25
000434:225:x	000434	225	235	118	1.59	0.14	0.03	25.00	/	5, 10, 15, 20, 25
000434:250:x	000434	250	257	128	1.75	0.14	0.03	25.00	/	5, 10, 15, 20, 25
000434:254:x	000434	254	261	130	1.77	0.14	0.03	25.00	/	5, 10, 15, 20, 25
000434:275:x	000434	275	285	143	1.94	0.13	0.03	25.00	/	5, 10, 15, 20, 25

Extended Article Number	Article number	NominalSize (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
000434:280:x	000434	280	290	145	1.97	0.13	0.03	25.00	/	5, 10, 15, 20, 25
000434:300:x	000434	300	311	155	2.11	0.13	0.03	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



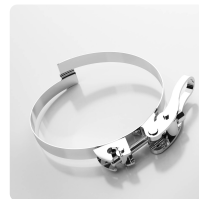
Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



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

