

# SUCTION AND TRANSPORT HOSE LIGHTWEIGHT

## Master-PUR SL-F-EC

### Material

Hose wall: electrically conductive polyurethane

Spiral: PU-coated spring steel wire

### Applications

- Dangerous areas, where electrical conductivity is demanded
- Special hose for industrial vacuum cleaners
- Suction and transport of paper fibers and wood chips
- Transport of granules
- Suction and transport of abrasive materials and gaseous media
- Extraction of coarse-grained particles with high flow volume
- Oil-spray extraction
- Protection hose against mechanical damage

### Properties

- Surface resistance  $R_0 \leq 10^4 \text{ Ohm}$
- acc. to TRBS 2153 (Zone 0, 20) for flammable liquids/dusts for dissipation of electrostatic charges with grounding on both ends of the helix
- **Electrically conductive**
- Highly abrasion-resistant
- Good flexibility
- Small bend radius
- Super lightweight
- Oil/petroleum-proof
- Halogen/plasticizer-free
- Good chemical resistance
- Good UV/ozone resistance
- Improved pressure and vacuum characteristics
- High tensile and burst strength
- Smooth inside, for optimum flow characteristics



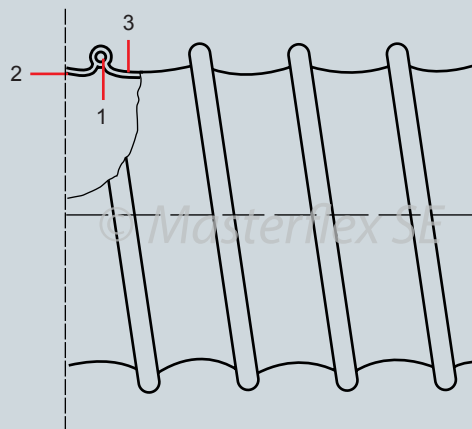
The Master PUR-EC hose series: These specialty Polyurethane hoses can handle the most electrically conductive application in the market place.

MASTERDUCT - WORLD LEADER IN  
ANTISTATIC HOSE PRODUCTS  
-Dr. Les Spark



### Construction

1. PU-coated spring steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .020"



### Temperature Range

- -22°F to +195°F
- Intermittent to +260°F

### Chem. Resistance

See resistance table

# Master-PUR SL-F-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
2.00	260	85	1.35	2.30	0.18000	341-050-207
2.40	305	76	1.40	2.72	0.22143	341-060-207
2.52	289	70	1.48	2.84	0.22814	341-063-207
2.60	273	64	1.52	2.92	0.24156	341-065-207
2.80	245	64	1.60	3.12	0.25498	341-070-207
3.00	245	52	1.72	3.32	0.33550	341-075-207
3.20	213	52	1.80	3.52	0.35563	341-080-207
3.60	185	38	2.00	3.96	0.39589	341-090-207
4.00	185	38	2.20	4.32	0.44286	341-100-207
4.40	153	38	2.40	4.76	0.48983	341-110-207
4.60	153	38	2.52	4.96	0.50996	341-115-207
4.80	153	38	2.60	5.16	0.53009	341-120-207
5.00	153	38	2.72	5.36	0.55693	341-125-207
5.20	121	38	2.80	5.56	0.57706	341-130-207
5.60	121	26	3.00	5.96	0.61732	341-140-207
6.00	121	26	3.20	6.36	0.66429	341-150-207
6.40	121	26	3.40	6.76	0.67100	341-160-207
6.80	92	26	3.60	7.16	0.71797	341-170-207
7.00	92	26	3.72	7.36	0.73810	341-175-207
7.20	92	26	3.80	7.56	0.75823	341-180-207
8.00	92	26	4.20	8.40	0.78507	341-200-207
9.00	60	12	4.72	9.40	0.80520	341-225-207
10.00	60	12	5.20	10.40	1.20109	341-250-207
11.00	60	12	5.72	11.40	1.32187	341-275-207
11.20	60	12	5.80	11.60	1.34871	341-280-207
12.00	56	11	6.20	12.40	1.44265	341-325-207
14.00	48	8	7.20	14.40	1.67750	341-350-207
16.00	40	5	8.20	16.40	1.91235	341-400-207

\*Referring to the inner side of the elbow of hose.  
 The above mentioned data refers to an average and ambient temperature of 68° F. Subject to technical changes and color variations.  
 Please refer to technical data sheet when selecting hose.

## Standard Production

- Diameter: 2" to 16"
- Color: black
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- Special diameters metric

## Installation and connection possibilities



Master-Grip hose clamp, screwable



Hose clamp with worm-gear drive



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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