

# SUCTION AND TRANSPORT HOSE LIGHT/MEDIUM WEIGHT

## Master-PUR L-X-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

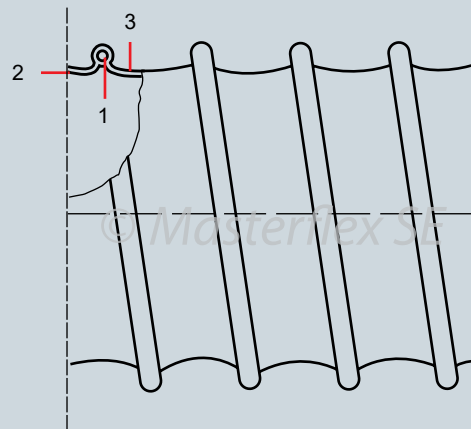
### Properties

- Surface resistance  $R_o < 10^4$  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
- Lightweight
- Small bend radius
- Oil/petroleum-proof
- Halogen/plasticizer-free
- Good chemical resistance
- Good UV/ozone resistance
- Improved pressure and vacuum characteristics
- High tensile and burst strength
- Optimum flow characteristics



### Construction

1. PU-coated spring steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .031"



### Temperature Range

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

### Chem. Resistance

See resistance table



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

 **MASTERDUCT**  
Connecting Values

# Master-PUR L-X-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending Radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
2.00	674	209	2.28	2.28	0.30	802-051-207
2.40	562	177	2.68	2.68	0.36	802-060-207
2.50	506	149	2.87	2.87	0.43	802-063-207
2.80	450	149	3.07	3.07	0.46	802-070-207
3.00	450	116	3.31	3.31	0.48	802-076-207
3.20	393	116	3.46	3.46	0.51	802-080-207
3.50	337	88	3.90	3.90	0.59	802-090-207
4.00	337	88	4.33	4.33	0.64	802-102-207
5.00	281	88	5.31	5.31	0.79	802-127-207
5.60	225	60	5.87	5.87	0.93	802-142-207
6.00	225	60	6.34	6.34	0.99	802-152-207
6.40	225	60	6.69	6.69	1.17	802-160-207
7.00	169	60	7.48	7.48	1.28	802-178-207
8.00	169	60	8.43	8.43	1.55	802-203-207
10.00	112	28	10.24	10.24	2.03	802-254-207

\*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: 1.25" to 10"
- Color: black
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- Minimum order quantities required

## 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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