

SUCTION AND TRANSPORT HOSE LIGHT/MEDIUM WEIGHT

Master-PUR L-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

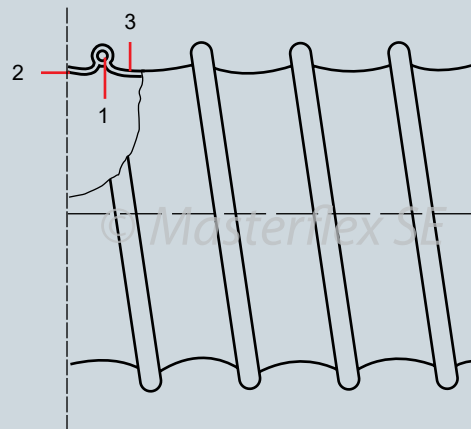
Properties

- Surface resistance $R_o < 10^4$ 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 .0275"



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-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	675	210	2.32	2.32	0.38	342-050-207
2.40	563	180	2.72	2.72	0.51	342-060-207
2.60	506	150	2.92	2.92	0.55	342-065-207
2.80	450	150	3.12	3.12	0.60	342-070-207
3.00	450	120	3.36	3.36	0.56	342-075-207
3.20	394	120	3.52	3.52	0.60	342-080-207
3.50	338	90	3.96	3.96	0.67	342-090-207
4.00	338	90	4.40	4.40	0.75	342-100-207
4.40	281	90	4.76	4.76	0.82	342-110-207
4.50	281	90	4.96	4.96	0.86	342-115-207
4.80	281	90	5.16	5.16	0.90	342-120-207
5.00	281	90	5.40	5.40	0.94	342-125-207
5.20	225	90	5.56	5.56	0.99	342-130-207
5.60	225	60	5.96	5.96	1.05	342-140-207
6.00	225	60	6.44	6.44	1.27	342-150-207
6.40	225	60	6.80	6.80	1.36	342-160-207
6.80	169	60	7.20	7.20	1.42	342-170-207
7.00	169	60	7.40	7.40	1.49	342-175-207
7.20	169	60	7.60	7.60	1.59	342-180-207
8.00	169	60	8.56	8.56	1.70	342-200-207
9.00	113	30	9.40	9.40	1.87	342-225-207
10.00	113	30	10.40	10.40	2.08	342-250-207
11.00	113	30	11.36	11.36	2.28	342-275-207
11.20	113	30	11.60	11.60	2.38	342-280-207
12.00	100	27	12.40	12.40	2.49	342-300-207
12.40	100	27	13.00	13.00	2.59	342-315-207
13.00	100	27	13.40	13.40	2.69	342-325-207
14.00	52	27	14.40	14.40	3.37	342-350-207
16.00	52	21	16.40	16.40	3.86	342-400-207

*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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