



Master-Tube PE-LD

Polyethylene-based hose with dielectric properties



spiral-free

Product Details

Construction / Material

- Execution of the wall: made of electrically conductive material, made of a material with dielectric properties
- Specifications of the wall: approved for direct food contact according to EU Directive 1935/2004, 10/2011 and its latest amending Directives, material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010

Properties

- Specifications of the product: manufactured with calibrated outer diameter
- Chemical Properties: good resistance to chemicals, good resistance to solvents, good UV resistance, halogen-free, hydrolysis resistant, microbe-resistant, plasticiser-free, free from paint wetting impairment substances (LABS)
- Physical Properties: low water absorption

Operating Temperature

- Temperature Range: -30 - 70

Delivery Information

- Delivery, type of production: inner diameter: 1.0 - 41.0 mm, outer diameter: 2.0 - 42.6 mm

Application Areas

- Areas of application: Agriculture, Automotive, Plant & Mechanical Engineering, Robotics & Automation, Industry, Aerospace technology, Bulk & Construction, Sea & Rail transport, Chemistry, Surface Technology, Food & Pharma, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, Vehicle Construction, Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours, rolls, cut-to-size sections

Article Variants

Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Operating pressure bar	Inner mm	Wall thickness mm	Tolerance inner & outer diameter mm	Weight g/m
2	4	20	24	2	1.0	± 0.10	8.7
3	5	25	18	3	1.0	± 0.10	11.6
4	6	30	14	4	1.0	± 0.10	14.5
5	8	40	16	5	1.5	± 0.10	28.3
6	8	40	10	6	1.0	± 0.10	20.3
6	10	50	18	6	2.0	± 0.10	46.4
7	10	50	12	7	1.5	± 0.10	37.0
8	10	40	8	8	1.0	± 0.10	26.1
9	12	60	10	9	1.5	± 0.10	45.7
10	12	60	6	10	1.0	± 0.10	31.9
10	14	80	12	10	2.0	± 0.15	69.7
12	16	90	10	12	2.0	± 0.15	81.3
14	18	120	9	14	2.0	± 0.15	92.9

All data refer to a medium and ambient temperature of 23°C

* Smallest bending radius, related to the inside of the hose bend.

Operating pressure is given with a 3-fold safety factor and applies to the medium air, calculated values are marked with *.

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)).

Individual consultation

We offer consultation by
phone:
+49 209 97077-112

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

Address Headquarters

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