



## Master-Tube PE Ultra

Abrasion-resistant hose with low coefficient of friction and good chemical resistance; especially suitable for feeding technology and the chemical industry



spiral-free



moderately flexible



pressure resistant

### Product Details

#### Construction / Material

- Type of construction: extruded hose without metal spiral
- Execution of the wall: made of highly abrasion-resistant material, made of specified material, made of a material that is insensitive to stress corrosion cracking, made of a material with a low coefficient of friction, extruded
- Material of the wall: Ultra High Molecular Weight Polyethylene (UHMWPE)

#### Properties

- Specifications of the product: manufactured with calibrated outer diameter
- Chemical Properties: very good resistance to chemicals, good resistance to solvents, halogen-free, good resistance to hydrolysis, silicone-free, plasticiser-free
- Mechanical Properties: High surface hardness
- Flexibility: moderately flexible
- Physical Properties: flexible at low temperatures, low water absorption
- Pressure Resistance: pressure resistant
- Colour: blue, black, transparent

#### Operating Temperature

- Temperature Range: -40 - 80

## Delivery Information

- Delivery, type of production: Outer diameter: 4.0 - 12.0 mm, Inner diameter: 2.0 - 10.0 mm

## Application Areas

- Areas of application: Automotive, Robotics & Automation, Chemistry, Conveying, lifting & feeding technology, Painting Technology

## Customizing Options

- optional item modification (on request): Multiple hose, Spiral version, Shaped hose, 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	57*	2	/	± 0.10	9.1
2.5	4	20	40	2.5	0.75	± 0.10	7.4
3	5	25	44*	3	/	± 0.10	12.1
4	6	25	38	4	/	± 0.10	15.2
5	8	40	40*	5	1.5	± 0.10	29.6
5.7	8	40	32	5.7	1.25	± 0.10	23.9
6	8	40	25*	6	/	± 0.10	21.2
6	10	50	44*	6	2.00	± 0.10	48.6
7	10	50	31*	7	1.5	± 0.10	38.7
8	10	40	19*	8	/	± 0.10	27.3
9	12	60	25*	9	1.50	± 0.15	47.8
10	12	60	18	10	/	± 0.15	33.4

## Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

### 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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