



## 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



metal-free



moderately  
flexible



pressure  
resistant

### Product Details

#### Construction / Material

- Type of construction: axially extruded tubing without seams or welds
- Execution of the wall: very low sliding and static friction expressed by a low coefficient of friction, made of highly abrasion-resistant material, made of specified material, 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 mechanical strength and surface hardness, high resistance to stress corrosion cracking
- 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 to 80 °C

## 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

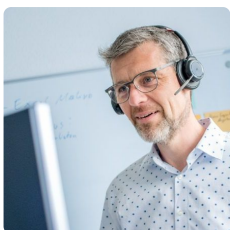
| Nominal Size (DN)<br>in mm | Inner diameter<br>in mm | Outer diameter<br>in mm | Bending radius*<br>in mm | Weight<br>in g/m | Operating pressure<br>in bar | Wall thickness<br>in mm | Tolerance inner & outer diameter<br>in mm |
|----------------------------|-------------------------|-------------------------|--------------------------|------------------|------------------------------|-------------------------|-------------------------------------------|
| 2                          | 2                       | 4                       | 20                       | 9.1              | 57*                          | /                       | ± 0.10                                    |
| 2.5                        | 2.5                     | 4                       | 20                       | 7.4              | 40                           | 0.75                    | ± 0.10                                    |
| 3                          | 3                       | 5                       | 25                       | 12.1             | 44*                          | /                       | ± 0.10                                    |
| 4                          | 4                       | 6                       | 25                       | 15.2             | 38                           | /                       | ± 0.10                                    |
| 5                          | 5                       | 8                       | 40                       | 29.6             | 40*                          | 1.5                     | ± 0.10                                    |
| 5.7                        | 5.7                     | 8                       | 40                       | 23.9             | 32                           | 1.25                    | ± 0.10                                    |
| 6                          | 6                       | 8                       | 40                       | 21.2             | 25*                          | /                       | ± 0.10                                    |
| 6                          | 6                       | 10                      | 50                       | 48.6             | 44*                          | 2.00                    | ± 0.10                                    |
| 7                          | 7                       | 10                      | 50                       | 38.7             | 31*                          | 1.5                     | ± 0.10                                    |
| 8                          | 8                       | 10                      | 40                       | 27.3             | 19*                          | /                       | ± 0.10                                    |
| 9                          | 9                       | 12                      | 60                       | 47.8             | 25*                          | 1.50                    | ± 0.15                                    |
| 10                         | 10                      | 12                      | 60                       | 33.4             | 18                           | /                       | ± 0.15                                    |

## 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 0**

Product requests via: <https://www.masterflex.it/>

### Headquarters for your sales area

#### Masterflex SE

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