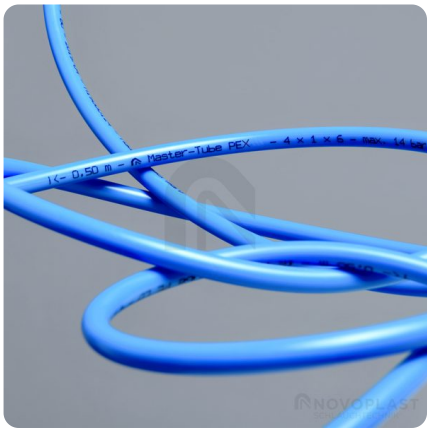
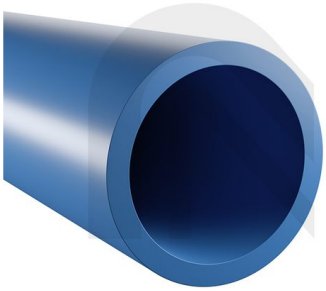




# Master-Tube PEX

PE-X tubing, thermally stable, impact-resistant at low temperatures, improved resistance to stress cracking and tear propagation, improved creep resistance

spiral-free

metal-free

## Product Details

### Construction / Material

- Type of construction: axially extruded tubing without seams or welds
- Execution of the wall: made of specified material, extruded
- Material of the wall: radiation crosslinked polyethylene low density

### Properties

- Specifications of the product: manufactured with calibrated outer diameter
- Chemical Properties: good resistance to chemicals
- Physical Properties: good dielectric properties, low permeation values for water, water vapour and gases
- Colour: blue

### Operating Temperature

- Temperature Range: -40to 85°C

### Application Areas

- Areas of application: Agriculture, Plant & Mechanical Engineering, Robotics & Automation, Surface Technology

### Customizing Options

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

## Article Variants

| Nominal Size (DN) in mm | Inner diameter in mm | Outer diameter in mm | Bending radius* in mm | Weigth in g/m | Operating pressure in bar | Wall thickness in mm | Tolerance inner & outer diameter in mm |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 4 | 20 | 0.087 | 24.1* | 1 | ± 0.10 |
| 3 | 3 | 5 | 25 | 0.116 | 18.0* | 1 | ± 0.10 |
| 4 | 4 | 6 | 30 | 0.146 | 14.4* | 1 | ± 0.10 |
| 5 | 5 | 8 | 40 | 0.284 | 16.6* | 1,5 | ± 0.10 |
| 6 | 6 | 8 | 40 | 0.204 | 10.3* | 1 | ± 0.10 |
| 6 | 6 | 10 | 50 | 0.466 | 18.0* | 2 | ± 0.10 |
| 7 | 7 | 10 | 50 | 0.371 | 12.7* | 1,5 | ± 0.10 |
| 8 | 8 | 10 | 40 | 0.262 | 8.0* | 1 | ± 0.10 |
| 9 | 9 | 12 | 60 | 0.459 | 10.30 | 1,5 | ± 0.15 |
| 10 | 10 | 12 | 60 | 0.320 | 6.5* | 1 | ± 0.15 |
| 10 | 10 | 14 | 80 | 0.699 | 12.00 | 2 | ± 0.15 |
| 12 | 12 | 16 | 90 | 0.815 | 10.3* | 2 | ± 0.20 |
| 14 | 14 | 18 | 120 | 0.932 | 9.0* | 2 | ± 0.20 |

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 0**

Product requests via: **https://www.masterflex-slang.nl/**

## Headquarters for your sales area

**Masterflex SE**

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