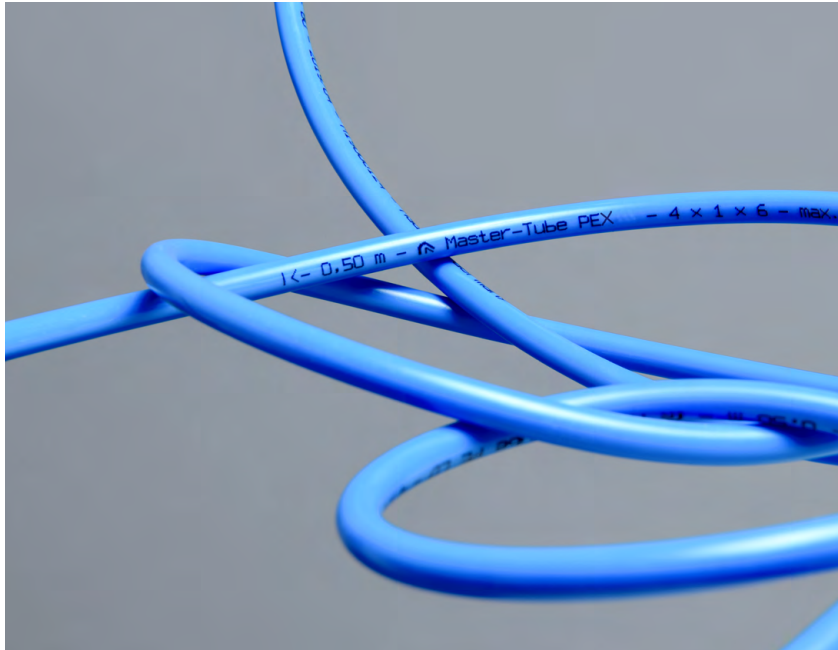


Master-Tube PEX



Significantly improved resistance to stress cracking and extremely better tear propagation resistance. Better low-temperature impact strength and improved creep resistance.

Material

- Radiation cross-linked low-density polyethylene

Areas of application

- Mechanical engineering
- Robotics and automation
- Agriculture
- Painting technology

Applications

- Pneumatic systems
- Robotics
- Control air
- Agricultural technology

Delivery variants

- Dimensions:
Inner diameter: 2 - 14 mm
Outer diameter: 4 - 18 mm
- Colours: natural, blue, black
Other sizes and colours on request
- Possible packaging:
Rolls
Cut to size

Properties

- Low weight
- Low permeation values for water, water vapour and gases
Resistant to a wide range of chemicals (see resistance list)
- Very good dielectric properties
- Quick assembly
- Externally calibrated
- Suitable for push-in connectors and push-out connectors
(due to significantly improved resistance to stress cracking and tear resistance)
- Improved creep resistance

Temperature range

- -40 °C to +85 °C

Product Variations

Significantly improved stress cracking resistance and extremely better tear propagation resistance. Better low-temperature impact strength and improved creep resistance.

ID (mm)	WD (mm)	OD (mm)	Tolerance ID & OD (mm)	Weight (g/m)	Max. Working Pressure (bar)*	Min. Bending Radius (mm)
2	1	4	±0,10	0,087	24,1*	20
3	1	5	±0,10	0,116	18,0*	25
4	1	6	±0,10	0,146	14,4*	30
5	1,5	8	±0,10	0,284	16,6*	40
6	1	8	±0,10	0,204	10,3*	40
6	2	10	±0,10	0,466	18,0*	50
7	1,5	10	±0,10	0,371	12,7*	50
8	1	10	±0,10	0,262	8,0*	40
9	1,5	12	±0,15	0,459	10,3	60
10	1	12	±0,15	0,320	6,5*	60
10	2	14	±0,15	0,699	12,0	80
12	2	16	±0,20	0,815	10,3*	90
14	2	18	±0,20	0,932	9,0*	120

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

ID: Inside diameter, WD: Wall thickness, AD: Outside diameter

Operating pressure data with 3-fold safety factor and apply to air as the operating medium

* Calculated values Subject to technical changes and colour deviations.