

# Factory Automation



## LEONI proflex-line

### Reinforced corrugated hoses

LEONI's range of corrugated hoses has been designed for industrial applications and especially for use in robotics. The specially modified plastic material has been developed for dynamic applications and is resistant to abrasion as well as longitudinal and torsional stress.

#### Mechanical and chemical properties

- Silicone free
- Halogen and cadmium free
- Flame resistant acc. UL 94-V2 – self-extinguishing
- Resistance to oil elements/mineral oil/oxygen/ozone/weak acids/diluted base
- UV resistant
- Welding splatter resistant
- Abrasion resistant
- High strength properties under alternating flexural stress
- Working temperature range: -40 °C up to +90 °C

#### Order-No.

Type + Colour + Length / Example: M 70 BU, Length: 10 m

Standard types M 36 BU, M 48 BU and M 70 BU are available from stock. Other types and colours on request.

For available installation modules please refer to our current product catalogue. Unless otherwise agreed our general conditions of sale and delivery shall apply.

#### Technical data

Type	Colour *	Nominal width mm	Inner-Ø mm	Outer-Ø mm	Stat. bending radius mm	Dyn. bending radius mm	Type of profile	Delivery lot m in a ring
M 10	BU	10	9.6	13	20	50	fine	30
M 12	BU	12	11.9	15.8	25	65	fine	30
M 17	BU	17	16.6	21	30	65	fine	30
M 23	BU	23	22.6	28.4	35	90	fine	30
M 29	BU	29	29	34.3	45	110	fine	30
M 36	BU	36	36.7	42.5	60	165	fine	50
M 48	BU	48	47.3	54.1	70	200	coarse	50
M 56	BU	56	56.3	67.2	110	270	coarse	50
M 70	BU	70	67.3	79.8	150	350	coarse	50
M 95	BU	95	91.3	106	170	450	coarse	50

\*Colour code according to DIN IEC 757