

# Factory Automation



## LEONI tube-fit PUR-line

### Reinforced two lay polyurethane hoses – self-locked

Especially recommended for robotics equipment and machine, our hoses are built to comply with the most difficult conditions.

#### Mechanical and chemical properties

- Resistant to acids and alkaline diluted solutions
- Guaranty 100% silicone free
- Excellent abrasion resistance
- Very good tensile strength and tear resistance
- Good resistance to mineral oil / oily elements / oxygen / ozone, ...
- Good resistance to U.V.
- Working temperature range  $-40\text{ }^{\circ}\text{C}$  bis  $+80\text{ }^{\circ}\text{C}$
- Maintained flexibility at very low temperature
- Very good shock absorption capacity
- Self extinguishing, comply with UL94 V2 and MSHA standards

**Part-No.**  
**Standard packaging**  
**Available colours**  
**Further colours**

PUR + Inner diameter + colour/Example: PUR 9 GN  
50 m-coils  
Green = GN, Blue = BU, Red = RD, Black = BK, Grey = GY  
Yellow = YE, Transp arent = CL, Brown = BN,  
Colour code according to DIN IEC 757

#### The installation of self-locked polyurethane hose on fittings is simple and fast

- Our specific hose tool guarantee an easy mount without deterioration
- Dry mount
- Installation without hose clamp and without crimping with most of the standard fittings

Unless otherwise agreed our general conditions of sale and delivery shall apply.

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[www.leoni-factory-automation.com](http://www.leoni-factory-automation.com)



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### Technical datas

Hose inner-Ø		Hose outer-Ø		Max 20 °C working pressure		Min. 20 °C burst pressure		Min. loosening pressure*		Min. bending radius		Vacuum	
mm	inches	mm	inches	MPa	PSI	MPa	PSI	MPa	PSI	mm	inches	MPa	Inch Hg
6.4	1/4	13	0.51	2.4	350	8.4	1200	4.7	700	25	1	0.08	25
9.5	3/8	16	0.63	2	300	8	1200	4.7	700	60	2.4	0.08	25
12.5	1/2	19	0.75	2	300	8	1200	4	600	75	3	0.08	25
16.5	5/8	23.5	0.92	1.7	250	7	1000	4	600	125	5	0.08	25
19.5	3/4	27	1.06	1.7	250	7	1000	3.8	550	150	6	0.08	25
*25.5	1	34	1.33	1.5	220	6	900	3.8	550	270	10.6	0.08	25

\* Not self-locked

\* Min. pressure necessary for loosening the fittings of the hose

### Identification and traceability Example

PUR 9V-3/8GR	2 Mpa 300 psi	314975 3137A	LEONI	321 02	13:35 980216
↓	↓	↓		↓	↓
Part-No.	Working pressure	Material batches		Day year	Production hour Material batch

### Fittings



Corresponding to the polyurethane hoses LEONI tube-fit PUR-line we offer diverse fittings, such as brass fittings straight, 45° or 90° angled. Please contact us for other materials or for your individual offer.

### Interface fittings



Type	Ø mm	Thread	Wrench
3/8	9	3/8"	27
3/8	9	M 16 x 1.5	27
1/2	12	1/2"	27
1/2	12	M 22 x 1.5	27
1/2	12	1/2" – M 22 x 1.5	27
Reduction	9	M 22 x 1.5 – 3/8"	27
Reduction	12	M 22 x 1.5 M 16 x 1.5	27
Reduction	12	1/2" – 3/8"	27

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