LEGRIS ANTI-SPARK PU TUBING



Flexible and resistant to welding spatter, Legris spark-resistant PU tubing is recommended for industrial applications in harsh environments such as welding machines and robots.

Technical specifications

Material:	**Fire-retardant polyurethane Ether or polyurethane Ether with self-extinguishing PVC sheath**
Fluids:	Compressed air and industrial water (with or without glycol)
Working pressure:	10^{-2} millibar to 14 bar
Working temperature:	-20°C to +70°C
Diameter:	6 to 12 mm
Regulations:	RoHS, REACH, PED, UL94

Performance depends on the fluids, materials and connection used.

Benefits

Single-layer PU:

- **Fire-retardant material** reducing the risk of fire in installations.
- **Flexibility of polyurethane** enabling it to withstand mechanical stresses at high speeds.

PVC-coated PU:

- **Self-extinguishing PVC sheath** ensuring the integrity of the inner PU tubing.
- **Double-layer structure** for improved resistance to twisting and crushing.

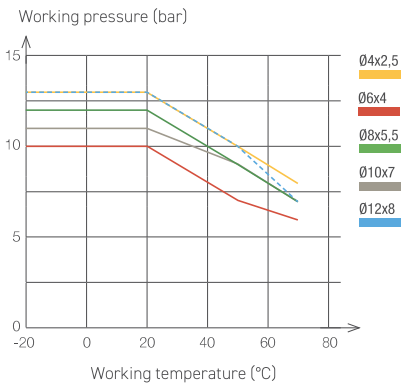
Recommended applications



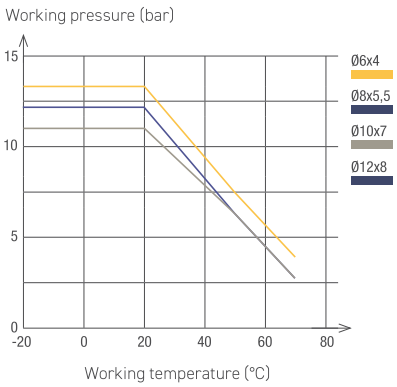
Resistance to welding spatter in automotive metalwork

Tubing performance

Spark-resistant polyurethane tubing (single layer)



Spark-resistant polyurethane tubing with PVC sheath



Tube O.D	O.D Tolerance	PVC sheath thickness and tolerances
4 to 8 mm	+0.10/-0.10	1mm +0.10/-0.10
10 to 14 mm	+0.15/-0.15	

1025U..V

Polyurethane (PU) Ether tubing with anti-spark jacket - Tubepack® 25 m

ØD ext.	ØD int.	R			
6	4	12	1025U06V01	1025U06V03	1025U06V04
8	5.5	20	1025U08V01	1025U08V03	1025U08V04
10	7	25	1025U10V01	1025U10V03	1025U10V04
12	8	35	1025U12V01	1025U12V03	

1100U..V

Polyurethane (PU) Ether tubing with anti-spark jacket - Tubepack® 100 m

ØD ext.	ØD int.	R	
6	4	12	1100U06V01
8	5.5	20	1100U08V01
10	7	25	1100U10V01

1025U..K

Single-layer polyurethane (PU) Ether anti-spark tubing - Tubepack® 25 m

ØD ext.	ØD int.	R				
6	4	15	1025U06K01	1025U06K02	1025U06K03	1025U06K04
8	5.5	20	1025U08K01	1025U08K02	1025U08K03	1025U08K04
10	7	25	1025U10K01	1025U10K02	1025U10K03	1025U10K04
12	8	35	1025U12K01	1025U12K02	1025U12K03	1025U12K04

1100U..K

Single-layer polyurethane (PU) Ether anti-spark tubing - Tubepack® 100 m

ØD ext.	ØD int.	R				
6	4	15	1100U06K01	1100U06K02	1100U06K03	1100U06K04
8	5.5	20	1100U08K01	1100U08K02	1100U08K03	
10	7	25		1100U10K02	1100U10K03	1100U10K04
14	9.5	45			1100U14K03 95	1100U14K04 95

6000 71 00

Stripping Tool for Anti-Spark Tubing

Technical polymer, stainless steel



Reference
6000 71 00