



Anti-Spark PU Tubing

Combining **outstanding spark resistance** with superb **flexibility**, this range is perfectly suited for welding applications.

Two types of PU - ether with PVC sheath or single layer ether - are available and allow **rapid installation** with Parker Legris push-in fittings.

Product Advantages

PU with PVC Sheath

- High resistance to kinking and abrasion
- Non-adhesive jacket facilitating sheath removal
- Fluid direction marking
- Self-extinguishing sheath, protecting the inner tubing
- Silicone-free

Single Layer PU

- Minimum bend radius for maximum space saving
- Significant flexibility for rapid cycling
- Good chemical resistance
- Flow direction marking
- Fireproof material
- Silicone-free



- Applications
- Industrial Machinery
 - Compressed Air
 - Robotics
 - Mechanical Constraints
 - Cooling
 - Welding
 - Cabling

Technical Characteristics

| | |
|----------------------------|---|
| Compatible Fluids | Industrial fluids, compressed air, coolants |
| Working Pressure | Vacuum to 14 bar |
| Working Temperature | -20°C to +70°C |
| Component Materials | PU ether with PVC sheath PU ether single layer |

| O.D. of Tube | Sheath Removal Length for LF 3600 (mm) |
|--------------|--|
| 4 mm | 15± 1 |
| 6 mm | 18± 1 |
| 8 mm | 19± 1 |
| 10 mm | 24± 1 |
| 12 mm | 25± 1 |

Regulations

UL94 V-0 (Fire resistance)
 DI: 2002/95/EC (RoHS),
 2011/65/EC
 RG: 1907/2006 (REACH)

Packaging

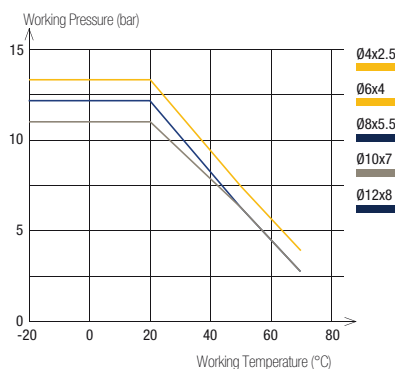
Tubepack*: 25 m, 100 m

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

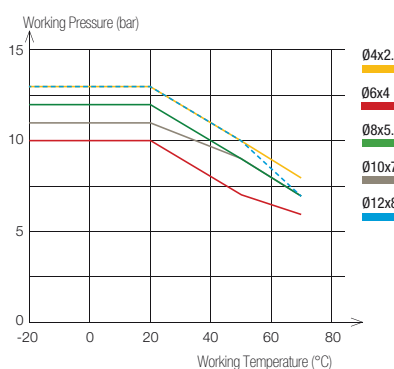
For other fitting ranges, please consult us.

Tubing Performance

Anti-Spark PU Tubing, with PVC Sheath



Anti-Spark PU Tubing, Single Layer








| Tube O.D. | Tube O.D. Tolerance | Thickness and Tolerances of PVC Sheath |
|-------------|---------------------|--|
| 4 to 8 mm | +0.10 / -0.10 | 1mm +0.10 / -0.10 |
| 10 to 12 mm | +0.15 / -0.15 | |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing based on NF E49-101 (inner tubing for sheathed or single layer tubing).

To calculate burst pressure, the values in these graphs should be multiplied by 3.






**1025U..V** Anti-Spark Sheath Polyurethane (PU) Ether Tubing

Tubepack® 25 m

| O.D. (mm) | I.D. (mm) |  |  |  |  |  | kg |
|--------------|--------------|---|---|---|--|---|-------|
| 6 | 4 | 12 | 1025U06V01 | 1025U06V02 | 1025U06V03 | 1025U06V04 | 1.200 |
| 8 | 5.5 | 20 | 1025U08V01 | 1025U08V02 | 1025U08V03 | 1025U08V04 | 1.620 |
| 10 | 7 | 25 | 1025U10V01 | 1025U10V02 | 1025U10V03 | 1025U10V04 | 2.900 |
| 12 | 8 | 35 | 1025U12V01 | 1025U12V02 | 1025U12V03 | 1025U12V04 | 4.030 |






1100U..V Anti-Spark Sheath Polyurethane (PU) Ether Tubing

Tubepack® 100 m

| O.D. (mm) | I.D. (mm) |  |  |  |  |  | kg |
|--------------|--------------|---|---|---|--|---|--------|
| 6 | 4 | 12 | 1100U06V01 | 1100U06V02 | 1100U06V03 | 1100U06V04 | 5.370 |
| 8 | 5.5 | 20 | 1100U08V01 | 1100U08V02 | 1100U08V03 | 1100U08V04 | 7.630 |
| 10 | 7 | 25 | 1100U10V01 | 1100U10V02 | 1100U10V03 | 1100U10V04 | 10.860 |
| 12 | 8 | 35 | 1100U12V01 | 1100U12V02 | 1100U12V03 | 1100U12V04 | 15.060 |






1025U..K Single Layer Anti-Spark Polyurethane (PU) Ether Tubing

Tubepack® 25 m



| O.D. (mm) | I.D. (mm) |  |  |  |  |  | kg |
|--------------|--------------|---|---|---|--|---|-------|
| 4 | 2.5 | 12 | 1025U04K01 | 1025U04K02 | 1025U04K03 | 1025U04K04 | 0.230 |
| 6 | 4 | 15 | 1025U06K01 | 1025U06K02 | 1025U06K03 | 1025U06K04 | 0.580 |
| 8 | 5.5 | 20 | 1025U08K01 | 1025U08K02 | 1025U08K03 | 1025U08K04 | 0.860 |
| 10 | 7 | 25 | 1025U10K01 | 1025U10K02 | 1025U10K03 | 1025U10K04 | 1.230 |
| 12 | 8 | 35 | 1025U12K01 | 1025U12K02 | 1025U12K03 | 1025U12K04 | 2.080 |
| 14 | 9.5 | 45 | | 1025U14K02 95 | 1025U14K03 95 | | 2.620 |

1100U..K Single Layer Anti-Spark Polyurethane (PU) Ether Tubing

Tubepack® 100 m

| O.D. (mm) | I.D. (mm) |  |  |  |  |  | kg |
|--------------|--------------|---|---|---|--|---|--------|
| 4 | 2.5 | 12 | 1100U04K01 | | | | 0.900 |
| 6 | 4 | 15 | 1100U06K01 | 1100U06K02 | 1100U06K03 | 1100U06K04 | 2.320 |
| 8 | 5.5 | 20 | 1100U08K01 | 1100U08K02 | 1100U08K03 | 1100U08K04 | 3.030 |
| 10 | 7 | 25 | 1100U10K01 | 1100U10K02 | 1100U10K03 | 1100U10K04 | 5.100 |
| 12 | 8 | 35 | 1100U12K01 | 1100U12K02 | 1100U12K03 | 1100U12K04 | 8.600 |
| 14 | 9.5 | 45 | | 1100U14K02 95 | 1100U14K03 95 | | 10.676 |

6000 71 00 Stripping Tool for Anti-Spark Tubing

| | | | |
|---|------------------------------------|---|-------|
|  | Technical polymer, stainless steel |  | kg |
| | | 6000 71 00 | 0.098 |

Working principle of the stripping tool page 3-17