

# Compressed air tubing, Series TU1-S-PUR

- Ø 3 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 80 °C  
 Weight 0,005 kg

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Bending radius min. |
|------------|----------|----------------|---------|---------------|---------------------|
|            | -Ø       |                |         | Delivery unit | At 20 °C            |
| 1820712069 | 3 mm     | 0,6 mm         | Natural | 50 m          | 8 mm                |
| 1820712068 | 3 mm     | 0,6 mm         | Black   | 50 m          | 8 mm                |
| 1820712066 | 3 mm     | 0,6 mm         | Red     | 50 m          | 8 mm                |
| 1820712067 | 3 mm     | 0,6 mm         | Blue    | 50 m          | 8 mm                |

price / m

## Technical information

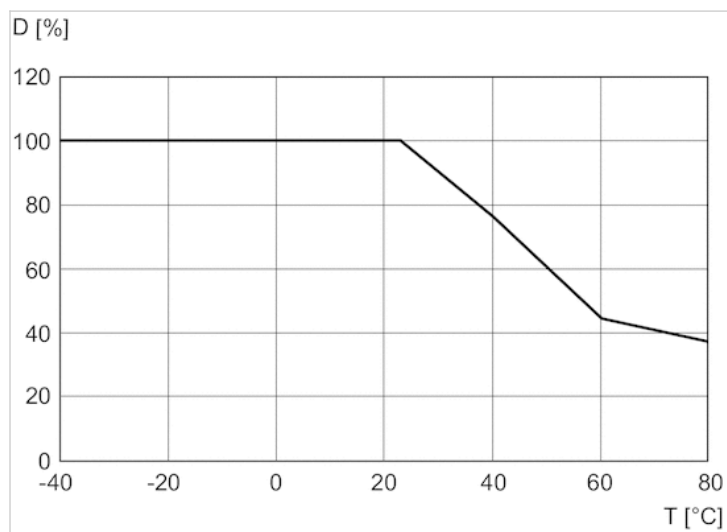
External calibrated  
 Suitable for dynamic laying  
 Halogen-free

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature

# Compressed air tubing, Series TU1-S-PUR

- Ø 4 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-30 ... 80 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Winch | Bending radius min. | Weight per meter |
|------------|----------|----------------|---------|---------------|-------|---------------------|------------------|
|            | -Ø       |                |         | Delivery unit |       | At 20 °C            |                  |
| 1820712020 | 4 mm     | 0,75 mm        | Red     | 25 m          | -     | 12 mm               | 0,009 kg         |
| 1820712078 | 4 mm     | 0,75 mm        | Green   | 25 m          | -     | 12 mm               | 0,009 kg         |
| R412014554 | 4 mm     | 0,75 mm        | Natural | 50 m          | -     | 12 mm               | 0,01 kg          |
| R412009984 | 4 mm     | 0,75 mm        | Black   | 50 m          | -     | 12 mm               | 0,009 kg         |
| R412009985 | 4 mm     | 0,75 mm        | Blue    | 50 m          | -     | 12 mm               | 0,009 kg         |
| 1820712007 | 4 mm     | 0,75 mm        | Natural | 100 m         | -     | 12 mm               | 0,009 kg         |
| 1820712018 | 4 mm     | 0,75 mm        | Black   | 100 m         | -     | 12 mm               | 0,009 kg         |
| 1820712036 | 4 mm     | 0,75 mm        | Blue    | 100 m         | -     | 12 mm               | 0,009 kg         |
| R412004860 | 4 mm     | 0,75 mm        | Yellow  | 100 m         | -     | 12 mm               | 0,009 kg         |
| 1820712026 | 4 mm     | 0,75 mm        | Red     | 100 m         | -     | 12 mm               | 0,009 kg         |
| R414008988 | 4 mm     | 0,75 mm        | Blue    | 2500 m        | Winch | 12 mm               | 0,009 kg         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| 1820712020 | 10 bar                         |
| 1820712078 | 10 bar                         |
| R412014554 | 10 bar                         |
| R412009984 | 10 bar                         |
| R412009985 | 10 bar                         |
| 1820712007 | 10 bar                         |
| 1820712018 | 10 bar                         |
| 1820712036 | 10 bar                         |
| R412004860 | 10 bar                         |
| 1820712026 | -                              |
| R414008988 | 10 bar                         |

price / m

Technical information

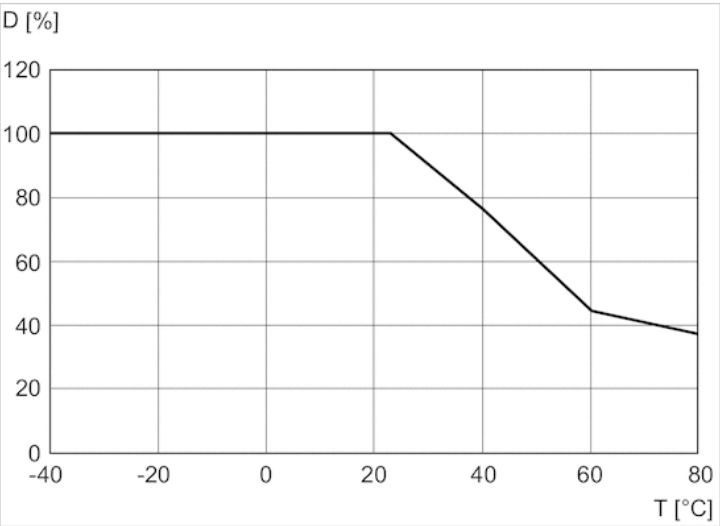
External calibrated  
 Suitable for dynamic laying  
 Halogen-free

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

Diagrams

Pressure-Temperature-Diagram



D = pressure resistance
T = temperature

# Compressed air tubing, Series TU1-S-PUR

- Ø 5 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 80 °C  
 Weight 0,015 kg

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Bending radius min. |
|------------|----------|----------------|---------|---------------|---------------------|
|            | -Ø       |                |         | Delivery unit | At 20 °C            |
| 1820712001 | 5 mm     | 0,95 mm        | Natural | 25 m          | 13 mm               |
| 1820712011 | 5 mm     | 0,95 mm        | Black   | 25 m          | 13 mm               |
| 1820712031 | 5 mm     | 0,95 mm        | Blue    | 25 m          | 13 mm               |
| 1820712021 | 5 mm     | 0,95 mm        | Red     | 25 m          | 13 mm               |
| R412009986 | 5 mm     | 0,95 mm        | Blue    | 50 m          | 13 mm               |

price / m

## Technical information

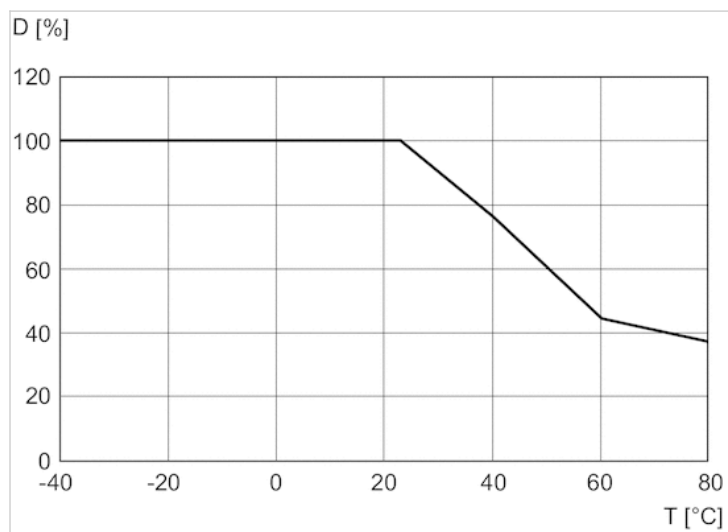
External calibrated  
 Suitable for dynamic laying  
 Halogen-free

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature

# Compressed air tubing, Series TU1-S-PUR

- Ø 6 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-30 ... 80 °C  
0,02 kg

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Winch | Bending radius min. |
|------------|----------|----------------|---------|---------------|-------|---------------------|
|            | -Ø       |                |         | Delivery unit |       | At 20 °C            |
| 1820712022 | 6 mm     | 1,05 mm        | Red     | 25 m          | -     | 18 mm               |
| R412014556 | 6 mm     | 1,05 mm        | Natural | 50 m          | -     | 18 mm               |
| R412014555 | 6 mm     | 1,05 mm        | Green   | 50 m          | -     | 18 mm               |
| R412009987 | 6 mm     | 1,05 mm        | Black   | 50 m          | -     | 18 mm               |
| R412009988 | 6 mm     | 1,05 mm        | Blue    | 50 m          | -     | 18 mm               |
| 1820712027 | 6 mm     | 1,05 mm        | Red     | 100 m         | -     | 18 mm               |
| 1820712006 | 6 mm     | 1,05 mm        | Natural | 100 m         | -     | 18 mm               |
| 1820712019 | 6 mm     | 1,05 mm        | Black   | 100 m         | -     | 18 mm               |
| 1820712037 | 6 mm     | 1,05 mm        | Blue    | 100 m         | -     | 18 mm               |
| R412004861 | 6 mm     | 1,05 mm        | Yellow  | 100 m         | -     | 18 mm               |
| R412007650 | 6 mm     | 1,05 mm        | Green   | 100 m         | -     | 18 mm               |
| R412007799 | 6 mm     | 1,05 mm        | Blue    | 500 m         | -     | 18 mm               |
| R412009962 | 6 mm     | 1,05 mm        | Yellow  | 1000 m        | -     | 18 mm               |
| R414000540 | 6 mm     | 1,05 mm        | Blue    | 1000 m        | -     | 18 mm               |
| R414000541 | 6 mm     | 1,05 mm        | Red     | 1000 m        | -     | 18 mm               |
| R414008985 | 6 mm     | 1,05 mm        | Blue    | 1100 m        | Winch | 18 mm               |
| R414008987 | 6 mm     | 1,05 mm        | Black   | 1100 m        | Winch | 18 mm               |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| 1820712022 | 10 bar                         |
| R412014556 | 10 bar                         |
| R412014555 | 10 bar                         |
| R412009987 | 10 bar                         |
| R412009988 | 10 bar                         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| 1820712027 | -                              |
| 1820712006 | 10 bar                         |
| 1820712019 | 10 bar                         |
| 1820712037 | 10 bar                         |
| R412004861 | 10 bar                         |
| R412007650 | 10 bar                         |
| R412007799 | 10 bar                         |
| R412009962 | 10 bar                         |
| R414000540 | 10 bar                         |
| R414000541 | 10 bar                         |
| R414008985 | 10 bar                         |
| R414008987 | 10 bar                         |

price / m

Technical information

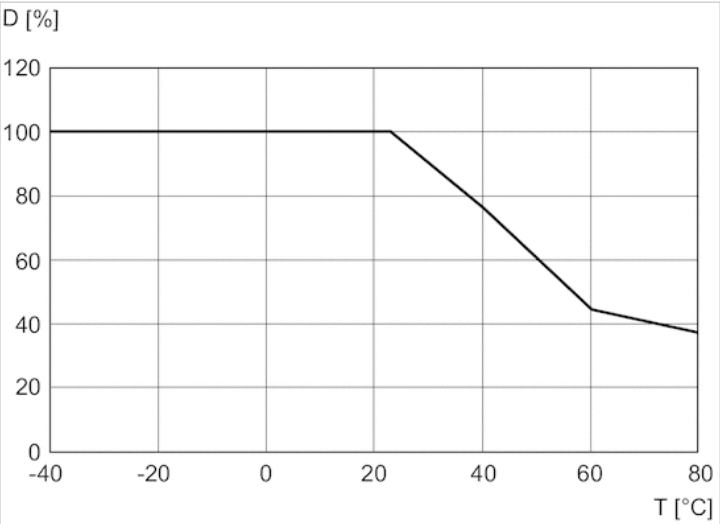
External calibrated  
 Suitable for dynamic laying  
 Halogen-free

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

Diagrams

Pressure-Temperature-Diagram



D = pressure resistanceT = temperature



# Compressed air tubing, Series TU1-S-PUR

- Ø 8 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 80 °C  
 Weight 0,03 kg

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Winch | Bending radius min. |
|------------|----------|----------------|---------|---------------|-------|---------------------|
|            | -Ø       |                |         | Delivery unit |       | At 20 °C            |
| 1820712023 | 8 mm     | 1,15 mm        | Red     | 25 m          | -     | 30 mm               |
| 1820712080 | 8 mm     | 1,15 mm        | Green   | 25 m          | -     | 30 mm               |
| R412014557 | 8 mm     | 1,15 mm        | Natural | 50 m          | -     | 30 mm               |
| R412009989 | 8 mm     | 1,15 mm        | Black   | 50 m          | -     | 30 mm               |
| R412009990 | 8 mm     | 1,15 mm        | Blue    | 50 m          | -     | 30 mm               |
| 1820712008 | 8 mm     | 1,15 mm        | Natural | 100 m         | -     | 30 mm               |
| 1820712016 | 8 mm     | 1,15 mm        | Black   | 100 m         | -     | 30 mm               |
| 1820712028 | 8 mm     | 1,15 mm        | Red     | 100 m         | -     | 30 mm               |
| 1820712038 | 8 mm     | 1,15 mm        | Blue    | 100 m         | -     | 30 mm               |
| R412004862 | 8 mm     | 1,15 mm        | Yellow  | 100 m         | -     | 30 mm               |
| R412007800 | 8 mm     | 1,15 mm        | Blue    | 500 m         | -     | 30 mm               |
| R414009118 | 8 mm     | 1,15 mm        | Blue    | 600 m         | Winch | 30 mm               |

price / m

## Technical information

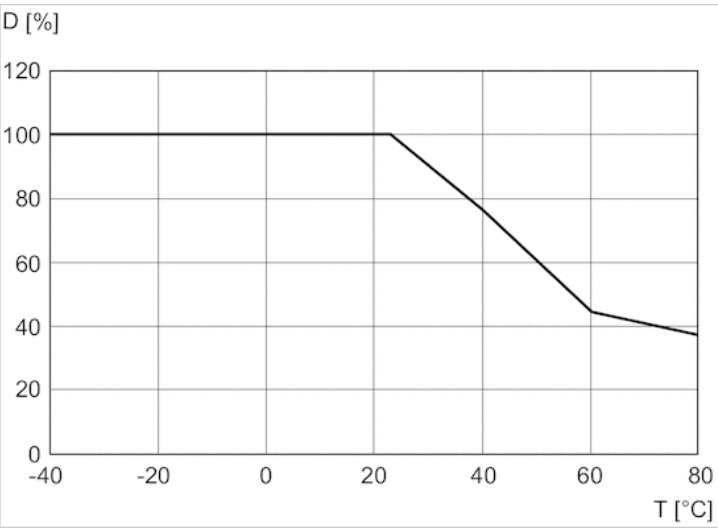
External calibrated  
 Suitable for dynamic laying  
 Halogen-free

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

Diagrams

Pressure-Temperature-Diagram



D = pressure resistanceT = temperature

# Compressed air tubing, Series TU1-S-PUR

- Ø 10 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

10 bar  
-30 ... 80 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Bending radius min. | Weight per meter |
|------------|----------|----------------|---------|---------------|---------------------|------------------|
|            | -Ø       |                |         | Delivery unit | At 20 °C            |                  |
| 1820712015 | 10 mm    | 1,25 mm        | Black   | 25 m          | 45 mm               | 0,043 kg         |
| 1820712025 | 10 mm    | 1,25 mm        | Red     | 25 m          | 45 mm               | -                |
| R412014558 | 10 mm    | 1,25 mm        | Natural | 50 m          | 45 mm               | 0,043 kg         |
| R412009991 | 10 mm    | 1,25 mm        | Blue    | 50 m          | 45 mm               | 0,042 kg         |
| 1820712009 | 10 mm    | 1,25 mm        | Natural | 100 m         | 45 mm               | 0,02 kg          |
| 1820712081 | 10 mm    | 1,25 mm        | Black   | 100 m         | 45 mm               | 0,043 kg         |
| 1820712029 | 10 mm    | 1,25 mm        | Red     | 100 m         | 45 mm               | 0,044 kg         |
| 1820712039 | 10 mm    | 1,25 mm        | Blue    | 100 m         | 45 mm               | 0,043 kg         |

price / m

## Technical information

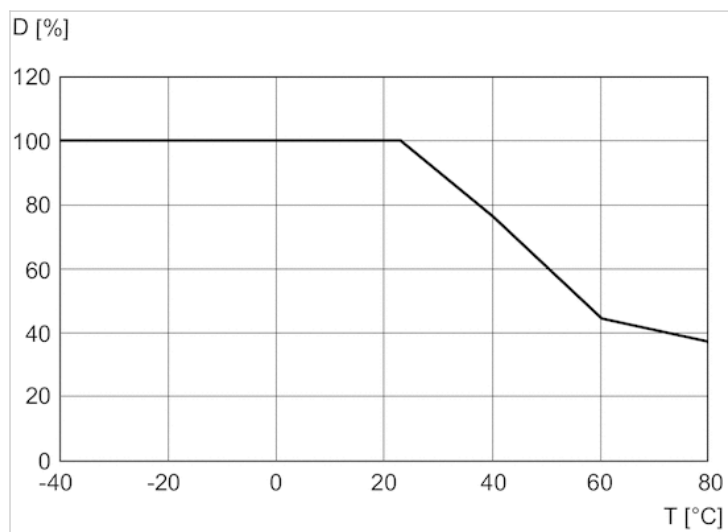
External calibrated  
Suitable for dynamic laying  
Halogen-free

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature

# Compressed air tubing, Series TU1-S-PUR

- Ø 12 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

10 bar  
-30 ... 80 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Winch | Bending radius min. | Weight per meter |
|------------|----------|----------------|---------|---------------|-------|---------------------|------------------|
|            | -Ø       |                |         | Delivery unit |       | At 20 °C            |                  |
| 1820712014 | 12 mm    | 1,5 mm         | Black   | 25 m          | -     | 55 mm               | 0,06 kg          |
| 1820712024 | 12 mm    | 1,5 mm         | Red     | 25 m          | -     | 55 mm               | 0,06 kg          |
| R412014559 | 12 mm    | 1,5 mm         | Natural | 50 m          | -     | 55 mm               | 0,063 kg         |
| R412009992 | 12 mm    | 1,5 mm         | Blue    | 50 m          | -     | 55 mm               | 0,06 kg          |
| 1820712082 | 12 mm    | 1,5 mm         | Natural | 100 m         | -     | 55 mm               | 0,06 kg          |
| 1820712017 | 12 mm    | 1,5 mm         | Black   | 100 m         | -     | 55 mm               | 0,06 kg          |
| 1820712083 | 12 mm    | 1,5 mm         | Red     | 100 m         | -     | 55 mm               | 0,06 kg          |
| 1820712040 | 12 mm    | 1,5 mm         | Blue    | 100 m         | -     | 55 mm               | 0,06 kg          |
| R412009910 | 12 mm    | 1,5 mm         | Black   | 250 m         | Winch | 55 mm               | 0,06 kg          |
| R412007801 | 12 mm    | 1,5 mm         | Blue    | 300 m         | Winch | 55 mm               | 0,06 kg          |

price / m

## Technical information

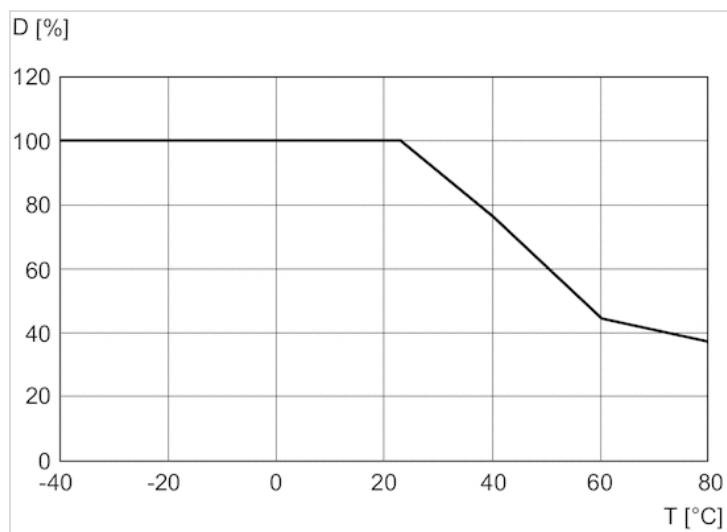
External calibrated  
Suitable for dynamic laying  
Halogen-free

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature

# Compressed air tubing, Series TU1-S-PUR

- Ø 14 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 80 °C  
 Weight 0,092 kg

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Bending radius min. |
|------------|----------|----------------|---------|---------------|---------------------|
|            | -Ø       |                |         | Delivery unit | At 20 °C            |
| R412004790 | 14 mm    | 2 mm           | Natural | 25 m          | 55 mm               |
| R412004778 | 14 mm    | 2 mm           | Black   | 25 m          | 55 mm               |
| R412004782 | 14 mm    | 2 mm           | Blue    | 25 m          | 55 mm               |
| R412004783 | 14 mm    | 2 mm           | Blue    | 100 m         | 55 mm               |
| R412004779 | 14 mm    | 2 mm           | Black   | 100 m         | 55 mm               |

price / m

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Halogen-free

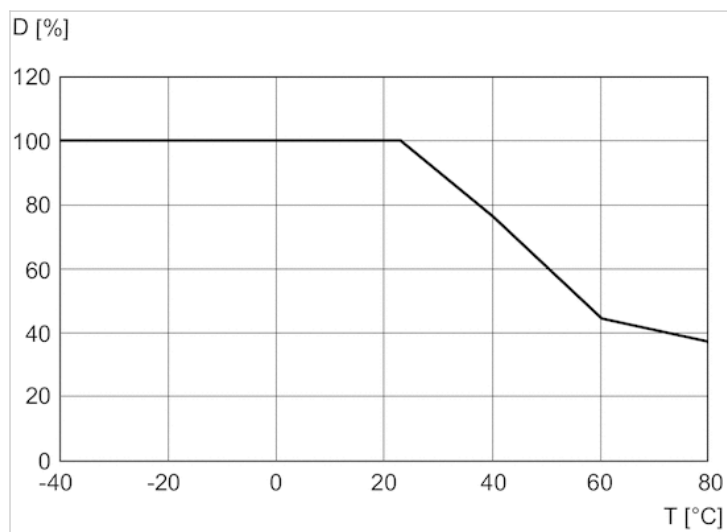
## Technical information

Material

|          |                        |
|----------|------------------------|
| Material | Polyester polyurethane |
|----------|------------------------|

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature



# Compressed air tubing, Series TU1-S-PUR

- Ø 16 mm
- Polyester polyurethane
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 80 °C  
 Weight 0,129 kg

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Bending radius min. |
|------------|----------|----------------|---------|---------------|---------------------|
|            | -Ø       |                |         | Delivery unit | At 20 °C            |
| R412004792 | 16 mm    | 2,5 mm         | Natural | 25 m          | 65 mm               |
| R412004780 | 16 mm    | 2,5 mm         | Black   | 25 m          | 65 mm               |
| R412004784 | 16 mm    | 2,5 mm         | Blue    | 25 m          | 65 mm               |
| R412009908 | 16 mm    | 2,5 mm         | Black   | 75 m          | 65 mm               |
| R412004781 | 16 mm    | 2,5 mm         | Black   | 100 m         | 65 mm               |
| R412004789 | 16 mm    | 2,5 mm         | Red     | 100 m         | 65 mm               |
| R412004785 | 16 mm    | 2,5 mm         | Blue    | 100 m         | 65 mm               |
| R412004793 | 16 mm    | 2,5 mm         | Natural | 100 m         | 65 mm               |

price / m

## Technical information

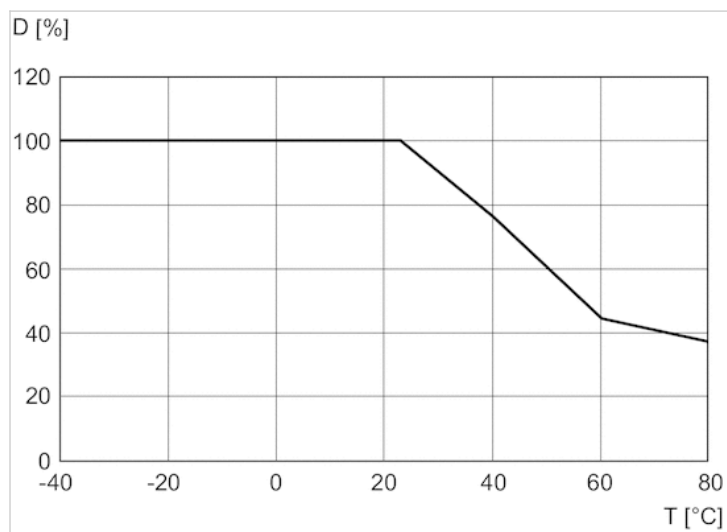
External calibrated  
 Suitable for dynamic laying  
 Halogen-free

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature

# Compressed air tubing, Series TU1-F-PUR

- Ø 4 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight 0,009 kg

## Technical data

| Part No.   | external | Wall thickness | Color             | Length        | Bending radius min. |
|------------|----------|----------------|-------------------|---------------|---------------------|
|            | -Ø       |                |                   | Delivery unit | At 20 °C            |
| R412009963 | 4 mm     | 0,75 mm        | Black translucent | 25 m          | 12 mm               |
| R412004796 | 4 mm     | 0,75 mm        | Blue translucent  | 25 m          | 12 mm               |
| R412004797 | 4 mm     | 0,75 mm        | Transparent       | 25 m          | 12 mm               |
| R412009900 | 4 mm     | 0,75 mm        | Translucent red   | 25 m          | 12 mm               |
| R412007413 | 4 mm     | 0,75 mm        | Silver gray       | 100 m         | 12 mm               |

price / m

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-F-PUR

- Ø 6 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight 0,02 kg

## Technical data

| Part No.   | external | Wall thickness | Color             | Length        | Bending radius min. |    |
|------------|----------|----------------|-------------------|---------------|---------------------|----|
|            | -Ø       |                |                   | Delivery unit | At 20 °C            |    |
| 1820712043 | 6 mm     | 1,05 mm        | Black translucent | 25 m          | 15 mm               | -  |
| 1820712044 | 6 mm     | 1,05 mm        | Blue translucent  | 25 m          | 15 mm               | -  |
| 1820712042 | 6 mm     | 1,05 mm        | Transparent       | 25 m          | 15 mm               | -  |
| R412007414 | 6 mm     | 1,05 mm        | Silver gray       | 25 m          | 15 mm               | -  |
| R412009901 | 6 mm     | 1,05 mm        | Translucent red   | 25 m          | 15 mm               | -  |
| R412007415 | 6 mm     | 1,05 mm        | Silver gray       | 100 m         | 15 mm               | -  |
| R412009907 | 6 mm     | 1,05 mm        | Blue translucent  | 100 m         | 15 mm               | -  |
| R414008868 | 6 mm     | 1,05 mm        | Blue              | 500 m         | 15 mm               | -  |
| R412024288 | 6 mm     | 1,05 mm        | Blue translucent  | 1000 m        | 15 mm               | 1) |

price / m

1) Winch

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-F-PUR

- Ø 8 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight 0,031 kg

## Technical data

| Part No.   | external | Wall thickness | Color               | Length        | Winch | Bending radius min. |
|------------|----------|----------------|---------------------|---------------|-------|---------------------|
|            | -Ø       |                |                     | Delivery unit |       | At 20 °C            |
| 1820712046 | 8 mm     | 1,25 mm        | Black translucent   | 25 m          | -     | 25 mm               |
| R412014475 | 8 mm     | 1,25 mm        | Yellow, translucent | 25 m          | -     | 25 mm               |
| 1820712047 | 8 mm     | 1,25 mm        | Blue translucent    | 25 m          | -     | 25 mm               |
| 1820712045 | 8 mm     | 1,25 mm        | Transparent         | 25 m          | -     | 25 mm               |
| R412004994 | 8 mm     | 1,25 mm        | Translucent red     | 25 m          | -     | 25 mm               |
| R412007416 | 8 mm     | 1,25 mm        | Silver gray         | 25 m          | -     | 25 mm               |
| R412009993 | 8 mm     | 1,25 mm        | Blue translucent    | 100 m         | -     | 25 mm               |
| R412007417 | 8 mm     | 1,25 mm        | Silver gray         | 100 m         | -     | 25 mm               |
| R412024292 | 8 mm     | 1,25 mm        | Blue translucent    | 500 m         | Winch | 25 mm               |

price / m

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-F-PUR

- Ø 10 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight See table below

## Technical data

| Part No.   | external | Wall thickness | Color             | Length        | Bending radius min. |
|------------|----------|----------------|-------------------|---------------|---------------------|
|            | -Ø       |                |                   | Delivery unit | At 20 °C            |
| R412009964 | 10 mm    | 1,5 mm         | Black translucent | 25 m          | 40 mm               |
| R412007418 | 10 mm    | 1,5 mm         | Silver gray       | 25 m          | 40 mm               |
| R412004798 | 10 mm    | 1,5 mm         | Blue translucent  | 25 m          | 40 mm               |
| R412004799 | 10 mm    | 1,5 mm         | Transparent       | 25 m          | 40 mm               |
| R412014560 | 10 mm    | 1,5 mm         | Translucent red   | 100 m         | 40 mm               |
| R412007419 | 10 mm    | 1,5 mm         | Silver gray       | 100 m         | 40 mm               |
| R412009994 | 10 mm    | 1,5 mm         | Blue translucent  | 100 m         | 40 mm               |

| Part No.   | Weight per meter |
|------------|------------------|
| R412009964 | 0,046 kg         |
| R412007418 | 0,046 kg         |
| R412004798 | 0,046 kg         |
| R412004799 | 0,046 kg         |
| R412014560 | 0,05 kg          |
| R412007419 | 0,046 kg         |
| R412009994 | 0,046 kg         |

price / m

## Technical information



External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-F-PUR

- Ø 12 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight 0,073 kg

## Technical data

| Part No.   | external | Wall thickness | Color               | Length        | Winch | Bending radius min. |
|------------|----------|----------------|---------------------|---------------|-------|---------------------|
|            | -Ø       |                |                     | Delivery unit |       | At 20 °C            |
| R412009965 | 12 mm    | 2 mm           | Blue translucent    | 25 m          | -     | 35 mm               |
| R412009970 | 12 mm    | 2 mm           | Yellow, translucent | 25 m          | -     | 35 mm               |
| R412009967 | 12 mm    | 2 mm           | Transparent         | 25 m          | -     | 35 mm               |
| R412009948 | 12 mm    | 2 mm           | Black translucent   | 100 m         | -     | 35 mm               |
| R412009949 | 12 mm    | 2 mm           | Translucent red     | 100 m         | -     | 35 mm               |
| R412007421 | 12 mm    | 2 mm           | Silver gray         | 100 m         | -     | 35 mm               |
| R412009995 | 12 mm    | 2 mm           | Blue translucent    | 100 m         | -     | 35 mm               |
| R412024293 | 12 mm    | 2 mm           | Blue translucent    | 500 m         | Winch | 35 mm               |

price / m

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-F-PUR

- Ø 14 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight 0,088 kg

## Technical data

| Part No.   | external | Wall thickness | Color           | Length        | Bending radius min. |
|------------|----------|----------------|-----------------|---------------|---------------------|
|            | -Ø       |                |                 | Delivery unit | At 20 °C            |
| R412009968 | 14 mm    | 2 mm           | Transparent     | 25 m          | 50 mm               |
| R412009911 | 14 mm    | 2 mm           | Translucent red | 25 m          | 50 mm               |

price / m

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-F-PUR

- Ø 16 mm
- Polyether polyurethane
- suitable for use in food processing
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight 0,123 kg

## Technical data

| Part No.   | external | Wall thickness | Color            | Length        | Bending radius min. |
|------------|----------|----------------|------------------|---------------|---------------------|
|            | -Ø       |                |                  | Delivery unit | At 20 °C            |
| R412007424 | 16 mm    | 2,5 mm         | Silver gray      | 25 m          | 55 mm               |
| R412009904 | 16 mm    | 2,5 mm         | Translucent red  | 25 m          | 55 mm               |
| R412014480 | 16 mm    | 2,5 mm         | Blue translucent | 25 m          | 55 mm               |

price / m

## Technical information

External calibrated  
 Suitable for dynamic laying  
 Approved for food (documented by manufacturer declaration)  
 Resistant to microbes  
 Excellent hydrolysis characteristics

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

# Compressed air tubing, Series TU1-A-PUR

- Ø 3-12 mm
- Polyether polyurethane
- antistatic
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -30 ... 60 °C  
 Weight See table below

## Technical data

| Part No.   | external | Wall thickness | Color | Length        | Bending radius min. | Weight per meter |
|------------|----------|----------------|-------|---------------|---------------------|------------------|
|            | -Ø       |                |       | Delivery unit | At 20 °C            |                  |
| R412007792 | 3 mm     | 0,55 mm        | Black | 50 m          | 9 mm                | 0,006 kg         |
| 1820712089 | 4 mm     | 0,75 mm        | Black | 50 m          | 9 mm                | 0,009 kg         |
| 1820712091 | 6 mm     | 1,05 mm        | Black | 50 m          | 15 mm               | 0,02 kg          |
| 1820712092 | 8 mm     | 1,15 mm        | Black | 50 m          | 28 mm               | 0,03 kg          |
| 1820712093 | 10 mm    | 1,25 mm        | Black | 50 m          | 35 mm               | 0,042 kg         |
| R412007705 | 12 mm    | 1,5 mm         | Black | 50 m          | 50 mm               | 0,063 kg         |

price / m

## Technical information

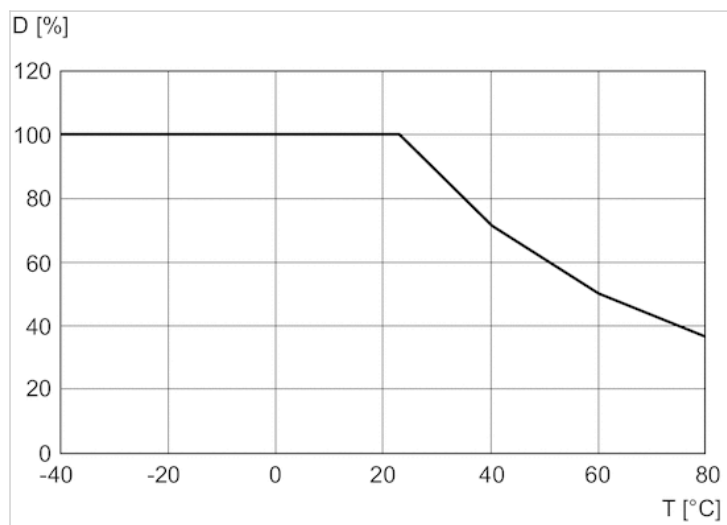
External calibrated  
 Suitable for dynamic laying  
 Highly antistatic version with a surface resistance of 1000 k ohm.  
 Excellent hydrolysis characteristics  
 Excellent UV resistance  
 Resistant to microbes

## Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

## Diagrams

### Pressure-Temperature-Diagram



D = pressure resistance T = temperature

# Compressed air tubing, Series TU1-X-PUR

- Ø 4-16 mm
- Polyether polyurethane
- Flamex
- Max. working pressure at 20 °C 16 bar



Max. working pressure at 20 °C 16 bar  
 Ambient temperature min./max. -30 ... 90 °C  
 Weight See table below

## Technical data

| Part No.   | external | Wall thickness | Color | Length        | Bending radius min. | Signature |
|------------|----------|----------------|-------|---------------|---------------------|-----------|
|            | -Ø       |                |       | Delivery unit | At 20 °C            |           |
| 1820712096 | 4 mm     | 1 mm           | Black | 25 m          | 7 mm                | Blue      |
| 1820712084 | 4 mm     | 1 mm           | Black | 25 m          | 7 mm                | White     |
| 1820712094 | 8 mm     | 2 mm           | Black | 25 m          | 15 mm               | Blue      |
| 1820712085 | 8 mm     | 2 mm           | Black | 25 m          | 15 mm               | White     |
| 1820712095 | 10 mm    | 2 mm           | Black | 25 m          | 20 mm               | Blue      |
| 1820712086 | 10 mm    | 2 mm           | Black | 25 m          | 20 mm               | White     |
| 1820712097 | 12 mm    | 2 mm           | Black | 25 m          | 28 mm               | Blue      |
| 1820712087 | 12 mm    | 2 mm           | Black | 25 m          | 28 mm               | White     |
| 1820712098 | 14 mm    | 2 mm           | Black | 25 m          | 45 mm               | Blue      |
| 1820712088 | 14 mm    | 2 mm           | Black | 25 m          | 45 mm               | White     |
| R412004794 | 16 mm    | 2,5 mm         | Black | 50 m          | 55 mm               | White     |

| Part No.   | Weight per meter |
|------------|------------------|
| 1820712096 | 0,012 kg         |
| 1820712084 | 0,012 kg         |
| 1820712094 | 0,048 kg         |
| 1820712085 | 0,048 kg         |
| 1820712095 | 0,064 kg         |
| 1820712086 | 0,064 kg         |
| 1820712097 | 0,08 kg          |
| 1820712087 | 0,08 kg          |
| 1820712098 | 0,096 kg         |
| 1820712088 | 0,096 kg         |
| R412004794 | 0,135 kg         |

price / m

Technical information

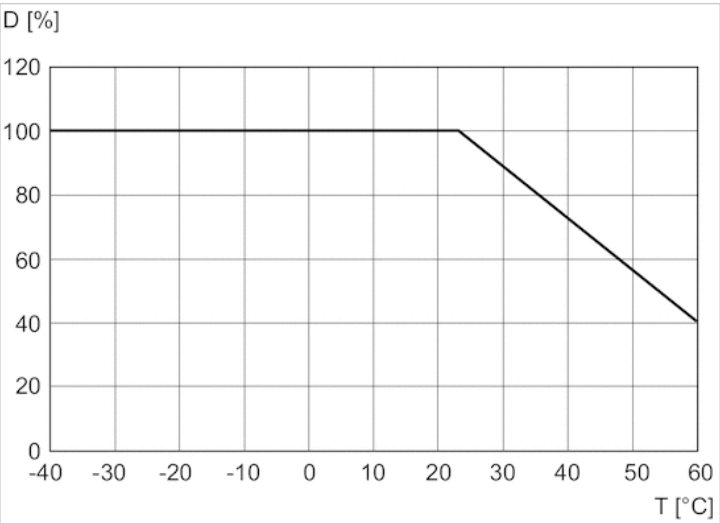
- External calibrated
- Suitable for dynamic laying
- Halogen-free flame-retardant
- Flame resistance according to UL 94 V-O.
- Resistant to microbes
- Excellent hydrolysis characteristics
- Excellent UV resistance

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyether polyurethane |

Diagrams

Pressure-Temperature-Diagram



D = pressure resistance
T = temperature



# Compressed air tubing, Series TU1-E-PUR

- Ø 4-12 mm
- Polyester polyurethane
- suitable for dynamic laying, elastic
- Max. working pressure at 20 °C 8 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

8 bar  
-30 ... 60 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Winch | Bending radius min. | Weight per meter |
|------------|----------|----------------|---------|---------------|-------|---------------------|------------------|
|            | -Ø       |                |         | Delivery unit |       | At 20 °C            |                  |
| R412007823 | 4 mm     | 0,75 mm        | Natural | 500 m         | -     | 13 mm               | 0,009 kg         |
| R412007824 | 4 mm     | 0,75 mm        | Black   | 500 m         | -     | 13 mm               | 0,009 kg         |
| R412007825 | 4 mm     | 0,75 mm        | Blue    | 500 m         | -     | 13 mm               | 0,009 kg         |
| R412007826 | 6 mm     | 1 mm           | Natural | 500 m         | -     | 20 mm               | 0,02 kg          |
| R412007827 | 6 mm     | 1 mm           | Black   | 500 m         | -     | 20 mm               | 0,02 kg          |
| R412014561 | 6 mm     | 1,05 mm        | Black   | 500 m         | -     | 20 mm               | 0,02 kg          |
| R412007828 | 6 mm     | 1 mm           | Blue    | 500 m         | -     | 20 mm               | 0,02 kg          |
| R412007829 | 8 mm     | 1,15 mm        | Natural | 500 m         | -     | 33 mm               | 0,03 kg          |
| R412007830 | 8 mm     | 1,15 mm        | Black   | 500 m         | -     | 33 mm               | 0,03 kg          |
| R412007831 | 8 mm     | 1,15 mm        | Blue    | 500 m         | -     | 33 mm               | 0,03 kg          |
| R412014562 | 8 mm     | 1,15 mm        | Black   | 500 m         | Winch | 20 mm               | 0,02 kg          |
| R412007834 | 10 mm    | 1,25 mm        | Blue    | 400 m         | -     | 48 mm               | 0,042 kg         |
| R412007837 | 12 mm    | 1,5 mm         | Blue    | 300 m         | -     | 55 mm               | 0,06 kg          |

| Part No.   |    |
|------------|----|
| R412007823 | -  |
| R412007824 | -  |
| R412007825 | -  |
| R412007826 | -  |
| R412007827 | -  |
| R412014561 | 1) |
| R412007828 | -  |
| R412007829 | -  |
| R412007830 | -  |

| Part No.   |   |
|------------|---|
| R412007831 | - |
| R412014562 | - |
| R412007834 | - |
| R412007837 | - |

price / m

1) Winch

Technical information

External calibrated  
 Suitable for dynamic laying  
 Halogen-free

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polyester polyurethane |

# Compressed air tubing, Series TU1-S-PAM

- Ø 4 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 15-26 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 80 °C  
0,006 kg

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |
| 1820712100 | 4 mm     | 1 mm           | Natural     | 25 m          | 20 mm               |
| 1820712110 | 4 mm     | 1 mm           | Black       | 25 m          | 20 mm               |
| R412009980 | 4 mm     | 0,5 mm         | Silver gray | 25 m          | 20 mm               |
| R412009913 | 4 mm     | 0,5 mm         | Blue        | 25 m          | 20 mm               |
| R412009931 | 4 mm     | 0,5 mm         | Black       | 50 m          | 20 mm               |
| R412009937 | 4 mm     | 0,5 mm         | Natural     | 50 m          | 20 mm               |
| R412009914 | 4 mm     | 0,5 mm         | Blue        | 100 m         | 20 mm               |
| R412009943 | 4 mm     | 0,5 mm         | Silver gray | 100 m         | 20 mm               |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| 1820712100 | 26 bar                         |
| 1820712110 | 26 bar                         |
| R412009980 | 15 bar                         |
| R412009913 | 15 bar                         |
| R412009931 | 15 bar                         |
| R412009937 | 15 bar                         |
| R412009914 | 15 bar                         |
| R412009943 | 15 bar                         |

price / m

## Technical information

- External calibrated
- Halogen-free
- Excellent hydrolysis characteristics
- Suitable for dynamic laying
- Excellent UV resistance
- Resistant to microbes

## Technical information

Material

|          |           |
|----------|-----------|
| Material | Polyamide |
|----------|-----------|

# Compressed air tubing, Series TU1-S-PAM

- Ø 6 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 13-24 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 80 °C  
0,011 kg

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit |                     |
| 1820712101 | 6 mm     | 1 mm           | Natural     | 25 m          | 30 mm               |
| 1820712111 | 6 mm     | 1 mm           | Black       | 25 m          | 30 mm               |
| R412007515 | 6 mm     | 1 mm           | Red         | 25 m          | 30 mm               |
| R412007516 | 6 mm     | 1 mm           | Green       | 25 m          | 30 mm               |
| R412009915 | 6 mm     | 0,65 mm        | Blue        | 25 m          | 30 mm               |
| R412009998 | 6 mm     | 0,65 mm        | Silver gray | 25 m          | 30 mm               |
| R412009916 | 6 mm     | 0,65 mm        | Blue        | 50 m          | 30 mm               |
| R412009932 | 6 mm     | 0,65 mm        | Black       | 50 m          | 30 mm               |
| R412009938 | 6 mm     | 0,65 mm        | Natural     | 50 m          | 30 mm               |
| R412009917 | 6 mm     | 0,65 mm        | Blue        | 100 m         | 30 mm               |
| R412009944 | 6 mm     | 0,65 mm        | Silver gray | 100 m         | 30 mm               |
| R412007636 | 6 mm     | 1 mm           | Green       | 100 m         | 30 mm               |
| R412009905 | 6 mm     | 1 mm           | Natural     | 100 m         | 30 mm               |
| R412009906 | 6 mm     | 1 mm           | Black       | 100 m         | 30 mm               |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| 1820712101 | 24 bar                         |
| 1820712111 | 24 bar                         |
| R412007515 | 24 bar                         |
| R412007516 | 24 bar                         |
| R412009915 | 13 bar                         |
| R412009998 | 13 bar                         |
| R412009916 | 13 bar                         |
| R412009932 | 13 bar                         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412009938 | 13 bar                         |
| R412009917 | 13 bar                         |
| R412009944 | 13 bar                         |
| R412007636 | 24 bar                         |
| R412009905 | 24 bar                         |
| R412009906 | 24 bar                         |

price / m

Technical information

- External calibrated
- Halogen-free
- Excellent hydrolysis characteristics
- Suitable for dynamic laying
- Excellent UV resistance
- Resistant to microbes

Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |

# Compressed air tubing, Series TU1-S-PAM

- Ø 8 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 12-22 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 80 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. | Weight per meter |
|------------|----------|----------------|-------------|---------------|---------------------|------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |                  |
| R412009918 | 8 mm     | 0,8 mm         | Blue        | 25 m          | 40 mm               | 0,019 kg         |
| 1820712102 | 8 mm     | 1 mm           | Natural     | 25 m          | 40 mm               | 0,019 kg         |
| 1820712112 | 8 mm     | 1 mm           | Black       | 25 m          | 40 mm               | 0,019 kg         |
| R412007590 | 8 mm     | 1 mm           | Blue        | 25 m          | 40 mm               | 0,019 kg         |
| R412009981 | 8 mm     | 0,8 mm         | Silver gray | 25 m          | 40 mm               | 0,019 kg         |
| R412009919 | 8 mm     | 0,8 mm         | Blue        | 50 m          | 40 mm               | 0,019 kg         |
| R412009933 | 8 mm     | 0,8 mm         | Black       | 50 m          | 40 mm               | 0,019 kg         |
| R412009939 | 8 mm     | 0,8 mm         | Natural     | 50 m          | 40 mm               | 0,019 kg         |
| R412014553 | 8 mm     | 0,8 mm         | Black       | 100 m         | 40 mm               | 0,022 kg         |
| R412014552 | 8 mm     | 0,8 mm         | Red         | 100 m         | 40 mm               | 0,023 kg         |
| R412009920 | 8 mm     | 0,8 mm         | Blue        | 100 m         | 40 mm               | 0,019 kg         |
| R412009945 | 8 mm     | 0,8 mm         | Silver gray | 100 m         | 40 mm               | 0,019 kg         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412009918 | 12 bar                         |
| 1820712102 | 22 bar                         |
| 1820712112 | 22 bar                         |
| R412007590 | 22 bar                         |
| R412009981 | 12 bar                         |
| R412009919 | 12 bar                         |
| R412009933 | 12 bar                         |
| R412009939 | 12 bar                         |
| R412014553 | 12 bar                         |
| R412014552 | 12 bar                         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412009920 | 12 bar                         |
| R412009945 | 12 bar                         |

price / m

Technical information

- External calibrated
- Halogen-free
- Excellent hydrolysis characteristics
- Suitable for dynamic laying
- Excellent UV resistance
- Resistant to microbes

Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |



# Compressed air tubing, Series TU1-S-PAM

- Ø 10 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 14 bar



Max. working pressure at 20 °C 14 bar  
 Ambient temperature min./max. -40 ... 80 °C  
 Weight 0,028 kg

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |
| R412009921 | 10 mm    | 1 mm           | Blue        | 25 m          | 50 mm               |
| R412009982 | 10 mm    | 1 mm           | Silver gray | 25 m          | 50 mm               |
| 1820712105 | 10 mm    | 1 mm           | Natural     | 25 m          | 50 mm               |
| 1820712115 | 10 mm    | 1 mm           | Black       | 25 m          | 50 mm               |
| R412009934 | 10 mm    | 1 mm           | Black       | 50 m          | 50 mm               |
| R412009940 | 10 mm    | 1 mm           | Natural     | 50 m          | 50 mm               |
| R412009922 | 10 mm    | 1 mm           | Blue        | 50 m          | 50 mm               |
| R412009923 | 10 mm    | 1 mm           | Blue        | 100 m         | 50 mm               |
| R412009946 | 10 mm    | 1 mm           | Silver gray | 100 m         | 50 mm               |
| R412007632 | 10 mm    | 1 mm           | Green       | 100 m         | 50 mm               |
| R412007633 | 10 mm    | 1 mm           | Black       | 100 m         | 50 mm               |

price / m

## Technical information

External calibrated  
 Halogen-free  
 Excellent hydrolysis characteristics  
 Suitable for dynamic laying  
 Excellent UV resistance  
 Resistant to microbes

Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |

# Compressed air tubing, Series TU1-S-PAM

- Ø 12 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 11-18 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 80 °C  
0,039 kg

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit |                     |
| R412009924 | 12 mm    | 1,1 mm         | Blue        | 25 m          | 60 mm               |
| R412009983 | 12 mm    | 1,1 mm         | Silver gray | 25 m          | 60 mm               |
| 1820712103 | 12 mm    | 1,5 mm         | Natural     | 25 m          | 60 mm               |
| 1820712113 | 12 mm    | 1,5 mm         | Black       | 25 m          | 60 mm               |
| R412009935 | 12 mm    | 1,1 mm         | Black       | 50 m          | 60 mm               |
| R412009941 | 12 mm    | 1,1 mm         | Natural     | 50 m          | 60 mm               |
| R412009925 | 12 mm    | 1,1 mm         | Blue        | 50 m          | 60 mm               |
| R412009926 | 12 mm    | 1,1 mm         | Blue        | 100 m         | 60 mm               |
| R412009947 | 12 mm    | 1,1 mm         | Silver gray | 100 m         | 60 mm               |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412009924 | 11 bar                         |
| R412009983 | 11 bar                         |
| 1820712103 | 18 bar                         |
| 1820712113 | 18 bar                         |
| R412009935 | 11 bar                         |
| R412009941 | 11 bar                         |
| R412009925 | 11 bar                         |
| R412009926 | 11 bar                         |
| R412009947 | 11 bar                         |

price / m

Technical information

- External calibrated
- Halogen-free
- Excellent hydrolysis characteristics
- Suitable for dynamic laying
- Excellent UV resistance
- Resistant to microbes

Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |

# Compressed air tubing, Series TU1-S-PAM

- Ø 14 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 11-15 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 80 °C  
0,052 kg

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |
| R412009927 | 14 mm    | 1,25 mm        | Blue        | 25 m          | 90 mm               |
| 1820712104 | 14 mm    | 1,5 mm         | Natural     | 25 m          | 90 mm               |
| 1820712114 | 14 mm    | 1,5 mm         | Black       | 25 m          | 90 mm               |
| R412009999 | 14 mm    | 1,25 mm        | Silver gray | 25 m          | 90 mm               |
| R412009936 | 14 mm    | 1,25 mm        | Black       | 50 m          | 90 mm               |
| R412009928 | 14 mm    | 1,25 mm        | Blue        | 50 m          | 90 mm               |
| R412009942 | 14 mm    | 1,25 mm        | Natural     | 50 m          | 90 mm               |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412009927 | 11 bar                         |
| 1820712104 | 15 bar                         |
| 1820712114 | 15 bar                         |
| R412009999 | 11 bar                         |
| R412009936 | 11 bar                         |
| R412009928 | 11 bar                         |
| R412009942 | 11 bar                         |

price / m

## Technical information

- External calibrated
- Halogen-free
- Excellent hydrolysis characteristics
- Suitable for dynamic laying
- Excellent UV resistance
- Resistant to microbes

Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |

# Compressed air tubing, Series TU1-S-PAM

- Ø 16 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 10 bar



Max. working pressure at 20 °C 10 bar  
 Ambient temperature min./max. -40 ... 80 °C  
 Weight 0,065 kg

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |
| R412009929 | 16 mm    | 1,35 mm        | Blue        | 25 m          | 100 mm              |
| R412014468 | 16 mm    | 1,35 mm        | Silver gray | 25 m          | 100 mm              |
| R412009930 | 16 mm    | 1,35 mm        | Blue        | 50 m          | 100 mm              |

price / m

## Technical information

External calibrated  
 Halogen-free  
 Excellent hydrolysis characteristics  
 Suitable for dynamic laying  
 Excellent UV resistance  
 Resistant to microbes

## Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |

# Compressed air tubing, Series TU1-S-PAM

- Ø 22 mm
- Polyamide
- suitable for dynamic laying
- Max. working pressure at 20 °C 9 bar



Max. working pressure at 20 °C 9 bar  
 Ambient temperature min./max. -40 ... 80 °C  
 Weight 0,13 kg

## Technical data

| Part No.   | external | Wall thickness | Color | Length        | Bending radius min. |
|------------|----------|----------------|-------|---------------|---------------------|
|            | -Ø       |                |       | Delivery unit | At 20 °C            |
| R412009997 | 22 mm    | 2 mm           | Blue  | 25 m          | 125 mm              |

price / m

## Technical information

External calibrated  
 Halogen-free  
 Excellent hydrolysis characteristics  
 Suitable for dynamic laying  
 Excellent UV resistance  
 Resistant to microbes

## Technical information

| Material |           |
|----------|-----------|
| Material | Polyamide |



# Compressed air tubing, Series TU1-S-TEF

- Ø 4-14 mm
- Polytetrafluorethylene
- suitable for use in food processing
- Max. working pressure at 20 °C 5.8-16 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 200 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. | Weight per meter |
|------------|----------|----------------|-------------|---------------|---------------------|------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |                  |
| R412004956 | 4 mm     | 0,75 mm        | Transparent | 25 m          | 18 mm               | 0,017 kg         |
| R412004965 | 4 mm     | 0,75 mm        | Red         | 100 m         | 18 mm               | 0,017 kg         |
| R412004966 | 4 mm     | 0,75 mm        | Blue        | 100 m         | 18 mm               | 0,017 kg         |
| R412004967 | 4 mm     | 0,75 mm        | Green       | 100 m         | 18 mm               | 0,017 kg         |
| R412004152 | 4 mm     | 0,75 mm        | Transparent | 100 m         | 18 mm               | 0,017 kg         |
| R412004957 | 6 mm     | 1 mm           | Transparent | 25 m          | 35 mm               | 0,037 kg         |
| R412004076 | 6 mm     | 1 mm           | Transparent | 100 m         | 35 mm               | 0,037 kg         |
| R412004958 | 8 mm     | 1 mm           | Transparent | 25 m          | 65 mm               | 0,048 kg         |
| R412004153 | 8 mm     | 1 mm           | Transparent | 100 m         | 65 mm               | 0,048 kg         |
| R412004959 | 10 mm    | 1 mm           | Transparent | 25 m          | 100 mm              | 0,072 kg         |
| R412004154 | 10 mm    | 1 mm           | Transparent | 100 m         | 100 mm              | 0,072 kg         |
| R412004960 | 12 mm    | 1 mm           | Transparent | 25 m          | 145 mm              | 0,102 kg         |
| R412004155 | 12 mm    | 1 mm           | Transparent | 100 m         | 145 mm              | 0,102 kg         |
| R412007517 | 14 mm    | 1,5 mm         | Transparent | 25 m          | 130 mm              | 0,172 kg         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412004956 | 16 bar                         |
| R412004965 | 16 bar                         |
| R412004966 | 16 bar                         |
| R412004967 | 16 bar                         |
| R412004152 | 16 bar                         |
| R412004957 | 12 bar                         |
| R412004076 | 12 bar                         |
| R412004958 | 8,5 bar                        |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412004153 | 8,5 bar                        |
| R412004959 | 7 bar                          |
| R412004154 | 7 bar                          |
| R412004960 | 5,8 bar                        |
| R412004155 | 5,8 bar                        |
| R412007517 | 7 bar                          |

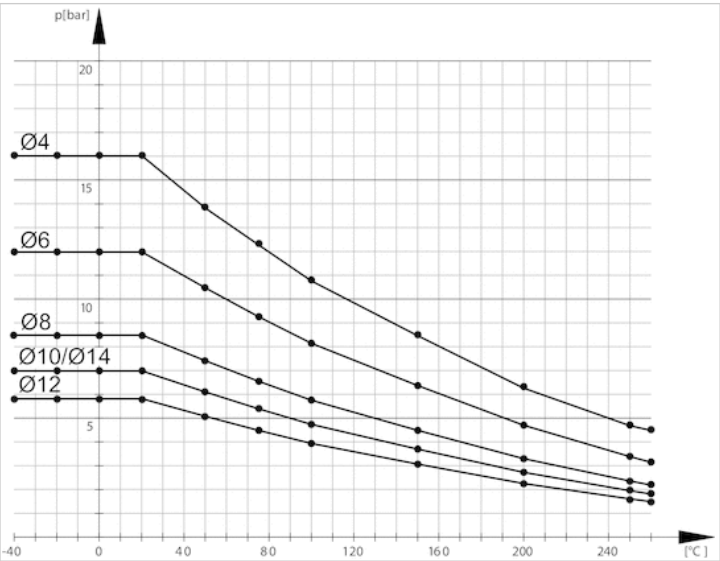
price / m

Technical information

| Material |                        |
|----------|------------------------|
| Material | Polytetrafluorethylene |

Diagrams

Pressure-Temperature-Diagram



# Compressed air tubing, Series TU1-S-PET

- Ø 4-16 mm
- Polyethylene
- suitable for use in food processing
- suitable for dynamic laying
- Max. working pressure at 20 °C 10-14 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.  
Weight

See table below  
-40 ... 60 °C  
See table below

## Technical data

| Part No.   | external | Wall thickness | Color   | Length        | Bending radius min. | Weight per meter |
|------------|----------|----------------|---------|---------------|---------------------|------------------|
|            | -Ø       |                |         | Delivery unit | At 20 °C            |                  |
| R412014494 | 4 mm     | 0,75 mm        | Natural | 25 m          | 15 mm               | 0,008 kg         |
| R412014501 | 4 mm     | 0,75 mm        | Black   | 25 m          | 15 mm               | 0,008 kg         |
| R412014495 | 6 mm     | 1 mm           | Natural | 25 m          | 30 mm               | 0,015 kg         |
| R412014502 | 6 mm     | 1 mm           | Black   | 25 m          | 30 mm               | 0,014 kg         |
| R412014496 | 8 mm     | 1 mm           | Natural | 25 m          | 50 mm               | 0,021 kg         |
| R412014503 | 8 mm     | 1 mm           | Black   | 25 m          | 50 mm               | 0,022 kg         |
| R412014497 | 10 mm    | 1,25 mm        | Natural | 25 m          | 40 mm               | 0,032 kg         |
| R412014504 | 10 mm    | 1,25 mm        | Black   | 25 m          | 40 mm               | 0,032 kg         |
| R412014498 | 12 mm    | 1,5 mm         | Natural | 25 m          | 50 mm               | 0,046 kg         |
| R412014505 | 12 mm    | 1,5 mm         | Black   | 25 m          | 50 mm               | 0,046 kg         |
| R412014499 | 14 mm    | 1,5 mm         | Natural | 25 m          | 75 mm               | 0,099 kg         |
| R412014506 | 14 mm    | 1,5 mm         | Black   | 25 m          | 75 mm               | 0,099 kg         |
| R412014500 | 16 mm    | 2 mm           | Natural | 25 m          | 80 mm               | 0,099 kg         |
| R412014507 | 16 mm    | 2 mm           | Black   | 25 m          | 80 mm               | 0,099 kg         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412014494 | 14 bar                         |
| R412014501 | 14 bar                         |
| R412014495 | 10 bar                         |
| R412014502 | 10 bar                         |
| R412014496 | 10 bar                         |
| R412014503 | 10 bar                         |
| R412014497 | 10 bar                         |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| R412014504 | 10 bar                         |
| R412014498 | 10 bar                         |
| R412014505 | 10 bar                         |
| R412014499 | 10 bar                         |
| R412014506 | 10 bar                         |
| R412014500 | 10 bar                         |
| R412014507 | 10 bar                         |

price / m

Technical information

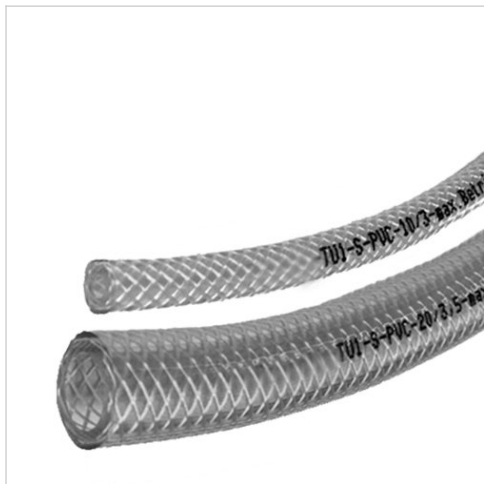
Resistant to microbes  
 Halogen-free  
 Excellent hydrolysis characteristics  
 Suitable for dynamic laying

Technical information

| Material |              |
|----------|--------------|
| Material | Polyethylene |

# Compressed air tubing, Series TU1-S-PVC

- Ø 10-26.8 mm
- Polyvinyl chloride
- Fabric-reinforced
- Max. working pressure at 20 °C 10-23 bar



Max. working pressure at 20 °C  
Ambient temperature min./max.

See table below  
0 ... 60 °C

## Technical data

| Part No.   | external | Wall thickness | Color       | Length        | Bending radius min. |
|------------|----------|----------------|-------------|---------------|---------------------|
|            | -Ø       |                |             | Delivery unit | At 20 °C            |
| 1820712300 | 10 mm    | 3 mm           | Transparent | 50 m          | 15 mm               |
| 1820712301 | 12 mm    | 3 mm           | Transparent | 50 m          | 25 mm               |
| 1820712302 | 14 mm    | 3 mm           | Transparent | 50 m          | 30 mm               |
| 1820712303 | 16 mm    | 3 mm           | Transparent | 50 m          | 40 mm               |
| 1820712304 | 19,8 mm  | 3,3 mm         | Transparent | 50 m          | 70 mm               |
| 1820712305 | 26,8 mm  | 3,7 mm         | Transparent | 50 m          | 130 mm              |

| Part No.   | Max. working pressure at 20 °C |
|------------|--------------------------------|
| 1820712300 | 23 bar                         |
| 1820712301 | 20 bar                         |
| 1820712302 | 18 bar                         |
| 1820712303 | 14 bar                         |
| 1820712304 | 12 bar                         |
| 1820712305 | 10 bar                         |

price / m

## Technical information

The fabric tubing is fastened with commercially available clamps. Ensure a torsion-free and torque-free connection.

Technical information

| Material |                    |
|----------|--------------------|
| Material | Polyvinyl chloride |