





- Flame retardant to UL 94 V0
- Hydrolysis resistant
- Approved for use in the food industry
- Antistatic
- Halogen-free
- Free of paint-wetting impairment substances to FN 942 010

# Plastic tubing

Product range overview



Version	Type	Ø [mm]	Colour										Operating medium			
			Silver	Blue	Black	Yellow	Green	Red	Brown	White	Natural	Blue/black	Compressed air	Vacuum	Water (not drinking water)	
<b>Standard O.D. tubing</b>		<b>Outside Ø</b>														
	<b>PAN</b> Polyamide	4, 6, 8, 10, 12, 16	■	-	-	-	-	-	-	-	-	-	-	■	■	-
	<b>PAN-VO</b> Polyamide	6, 8, 10, 12	-	■	■	■	■	■	■	■	■	-	-	■	■	■
	<b>PFAN</b> Perfluor-alkoxyalkan	4, 6, 8, 10, 12	-	-	-	-	-	-	-	-	-	■	-	■	■	■
	<b>PLN</b> Polyethylene	4, 6, 8, 10, 12	-	-	■	-	-	-	-	-	-	■	-	■	■	■
	<b>PUN</b> Polyurethane	3, 4, 6, 8, 10, 12, 16	■	■	■	■	■	■	■	-	-	-	-	■	■	-
	<b>PUN-DUO</b> Polyurethane	4, 6, 8, 10	■	-	-	-	-	-	-	-	-	-	■	■	■	-
	<b>PUN-E</b> Polyurethane	4, 6, 8, 10, 12	■	■	■	-	-	-	-	-	-	-	-	■	■	-
	<b>PUN-CM</b> Polyurethane	4, 6, 8, 10, 12	-	-	■	-	-	-	-	-	-	-	-	■	■	-
	<b>PUN-H</b> Polyurethane	3, 4, 6, 8, 10, 12, 16	-	■	■	-	-	-	-	-	-	■	-	■	■	■
	<b>PUN-H-DUO</b> Polyurethane	4, 6, 8, 10	-	-	-	-	-	-	-	-	-	-	■	■	■	■
	<b>PUN-VO</b> Polyurethane	6, 8, 10, 12	-	■	■	■	■	■	■	■	■	-	-	■	■	-
	<b>Standard I.D. tubing</b>		<b>Inside Ø</b>													
	<b>PL</b> Polyethylene	3, 4, 6	-	■	■	-	-	-	-	-	-	■	-	■	■	■
	<b>PL-9/13</b> Polyvinyl chloride <sup>1)</sup>	9, 13	-	■	-	-	-	-	-	-	-	-	-	■	-	-
	<b>PP</b> Polyamide	3, 4, 6	-	-	-	-	-	-	-	-	-	■	-	■	■	-
	<b>PU</b> Polyurethane	2, 3, 4, 6, 8	-	■	■	-	-	-	-	-	-	-	-	■	■	-
	<b>PU-9/13</b> Polyurethane <sup>1)</sup>	9, 13	-	■	■	-	-	-	-	-	-	-	-	■	Ø13	-
	<b>PU-DUO</b> Polyurethane	2, 3, 4, 6, 8	-	-	-	-	-	-	-	-	-	-	■	■	■	-
	<b>PCN</b> Polyvinyl chloride	4	-	-	-	-	-	-	-	-	-	■	-	■	-	■
	<b>P</b> Nitrile rubber	6, 9, 13, 19	-	■	■	-	-	-	-	-	-	-	-	■	■	■
	<b>PX</b> Nitrile rubber	4, 6, 9	■	-	-	-	-	-	-	-	-	-	-	■	■	■

1) fibre-reinforced

# Plastic tubing

Product range overview







Type	Food industry approval	Fire protection classification to UL 94	Antistatic	Halogen-free	PWS-free to FN 942 010	Suitable for chain link trunking	German Technical Control Board (TÜV) tested	Resistance						Shore hardness (D)	→ Page
								Chemicals	Microbes	UV radiation	Hydrolysis	Stress cracks	Shore hardness (D)		
<b>Standard O.D. tubing</b>															
PAN	-	-	-	■	■	■	■	+	++	+	+	+	55	3 / 5.2-7	
PAN-VO	-	■	-	-	■	■	-	+	++	++	+	+	55	3 / 5.2-8	
PFAN	■	■	-	■	■	-	■	++	++	++	++	++	60	3 / 5.2-10	
PLN	■	-	-	■	■	-	■	++	++	++ <sup>1)</sup>	++	+	50	3 / 5.2-11	
PUN	-	-	-	■	■	■	■	-	-	++ <sup>1)</sup>	+	++	52	3 / 5.2-12	
PUN-DUO	-	-	-	■	■	■	■	-	-	+	+	+	52	3 / 5.2-14	
PUN-E	-	-	-	■	■	■	-	-	-	++	+	+	52	3 / 5.2-15	
PUN-CM	-	-	■	■	■	■	-	-	-	++	+	+	52	3 / 5.2-16	
PUN-H	■	-	-	■	■	■	■	+	++	++ <sup>1)</sup>	++	+	52	3 / 5.2-17	
PUN-H-DUO	■	-	-	■	■	■	■	+	++	++	++	+	52	3 / 5.2-18	
PUN-VO	-	■	-	■	■	■	■	+	++	++ <sup>1)</sup>	++	+	54	3 / 5.2-19	
<b>Standard I.D. tubing</b>															
PL	■	-	-	■	■	-	■	++	++	++ <sup>1)</sup>	++	+	-	3 / 5.2-22	
PL-9/13	-	-	-	-	■	-	-	-	++	+	+	+	-	3 / 5.2-23	
PP	-	-	-	■	■	■	■	+	++	+	+	+	55	3 / 5.2-24	
PU	-	-	-	■	■	■	■	-	-	++ <sup>1)</sup>	+	+	52	3 / 5.2-25	
PU-9/13	-	-	-	■	■	■	■	-	-	++ <sup>1)</sup>	+	+	52	3 / 5.2-25	
PU-DUO	-	-	-	■	■	■	■	-	-	+	+	+	52	3 / 5.2-26	
PCN	-	-	-	-	-	-	-	-	-	-	-	-	-	3 / 5.2-27	
P	-	-	-	-	-	-	-	-	-	-	-	-	-	3 / 5.2-27	
PX	-	-	-	-	-	-	-	-	-	-	-	-	-	3 / 5.2-27	

- ++ Highly suitable
- + Limited suitability (upon request)
- Unsuitable
- 1) Black
- 2) Shore hardness (A)

# Spiral plastic tubing

Product range overview



Version	Type	∅ [mm]	Colour			Operating medium		
			Blue	Black	Blue/black	Compressed air	Vacuum	Water (not drinking water)
<b>Spiral tubing</b>		<b>Outside ∅</b>						
	<b>PUN-S</b> Polyurethane	4, 6, 8, 10, 12	■	■	-	■	■	-
	<b>PUN-S-DUO</b> Polyurethane	4, 6, 8, 10, 12	-	-	■	■	■	-
<b>Spiral tubing, pre-assembled</b>		<b>Inside ∅</b>						
	<b>PUN-SG</b> Polyurethane	6.4; 7.9	■	-	-	■	■	■
	<b>PPS</b> Polyamide	4.75; 6.35	■	-	-	■	■	■

# Spiral plastic tubing

Product range overview

Type	Food industry approval	Fire protection classification to UL 94	Antistatic	Halogen-free	PWIS-free to FN 942 010	Suitable for chain link trunking	German Technical Control Board (TÜV) tested	Resistance						Shore hardness (D)	→ Page
								Chemicals	Microbes	UV radiation	Hydrolysis	Stress cracks			
<b>Spiral tubing</b>															
PUN-S	-	-	-	■	■	■	■	-	-	++ <sup>1)</sup>	+	++	52	3 / 5.2-29	
PUN-S-DUO	-	-	-	■	■	■	■	-	-	+	+	+	52	3 / 5.2-31	
<b>Spiral tubing, pre-assembled</b>															
PUN-SG	-	-	-	■	■	-	-	+	++	+	++	+	87 <sup>3)</sup>	3 / 5.2-32	
PPS	-	-	-	■	■	■	-	+	++	+	+	+	60	3 / 5.2-33	

- ++ Highly suitable
- + Limited suitability (upon request)
- Unsuitable
- 1) Black
- 3) Shore hardness (A)

# Plastic tubing, standard O.D.

Type codes



PUN – [ ] – 12x2 – [ ] – BL – 200

Material	
PAN	Polyamide
PFAN	Perfluor-alkoxyalkan
PLN	Polyethylene
PUN	Polyurethane

Certification	
E	Economy
CM	Antistatic
H	Hydrolysis resistant
V0	Flame retardant to UL 94 V0

Outside  $\varnothing$  x wall thickness [mm]

Twin tubing	
DUO	Twin tubing

Colour	
SW	Black
BL	Blue
GN	Green
RT	Red
WS	White
GE	Yellow
BR	Brown
SI	Silver
NT	Natural
BS	Blue/black

Packaging unit [m]

# Plastic tubing PAN, standard O.D.

Technical data



## Plastic tubing PAN

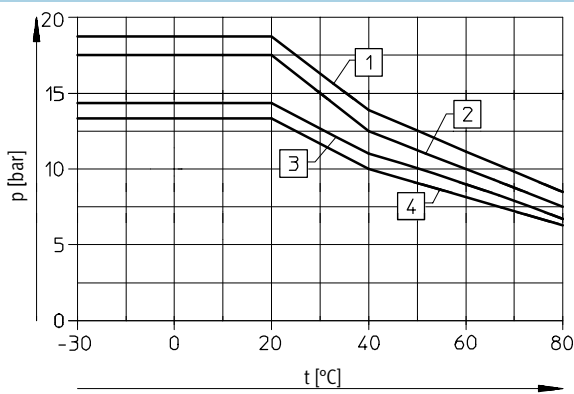
High thermal and mechanical load capacities.

Temperature range  
-30 ... +80 °C

Material: Polyamide  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



- 1 PAN-6
- 2 PAN-10/12

- 3 PAN-4/8
- 4 PAN-16

### Possible fittings



Push-in fittings QS,  
Quick Star<sup>1)</sup>  
→ 3 / 5.4-38



Barbed fittings CN  
→ 3 / 5.4-108



Push-in fittings QS-F,  
Quick Star, metal  
→ 3 / 5.4-81



Quick connectors CK  
→ 3 / 5.5-5

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4	2.9	18	0.006	Silver	152 697	PAN-4x0,75-SI	50
6	4	32	0.016		152 699	PAN-6x1-SI	50
8	5.9	43	0.024		152 700	PAN-8x1,25-SI	50
10	7	58	0.042		152 701	PAN-10x1,5-SI	50
12	8.4	64	0.060		152 702	PAN-12x1,75-SI	50
16	12	94	0.092		152 703	PAN-16x2-SI	50

\* Packaging unit

# Plastic tubing PAN-V0, standard O.D., flame retardant

Technical data



## Plastic tubing PAN-V0

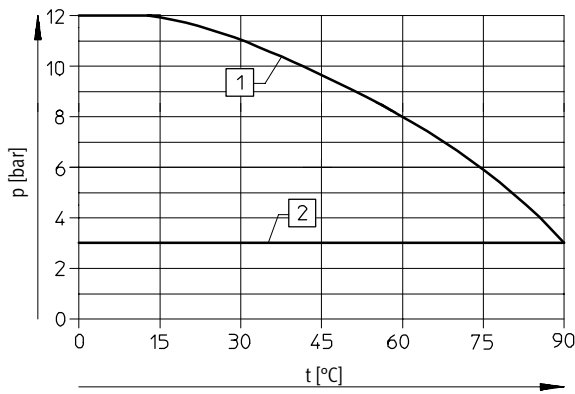
PVC casing, flame retardant to UL 94  
 VO. Casing must be cut to length X  
 (see table) before assembly.

- 🌡️ - Temperature range  
 -30 ... +90 °C

Material:  
 Outer tubing: Polyvinyl chloride  
 Inner tubing: Polyamide



### Operating pressure p as a function of temperature t



- 1 Operating medium air
- 2 Operating medium oil/water

### Possible fittings



Push-in fittings QS-V0,  
 Quick Star, flame-retardant  
 → 3 / 5.4-97

### Accessories



Tubing cutter PAN-V0S-...  
 → 3 / 5.10-11

### Dimensions and ordering data

For push-in fitting O.D. D1 [mm]	O.D. [mm]	I.D. [mm]	Wall thickness of outside tubing [mm]	Max. cut length X [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
6	8	4	1	17	30	0.049	Black	160 550	PAN-V0-6x1-SW	50
							Blue	525 466	PAN-V0-6x1-BL	20
							Green	525 470	PAN-V0-6x1-GN	20
							Red	525 474	PAN-V0-6x1-RT	20
							White	525 478	PAN-V0-6x1-WS	20
							Yellow	525 482	PAN-V0-6x1-GE	20
							Brown	525 486	PAN-V0-6x1-BR	20
8	10	6	1	18	45	0.065	Black	160 551	PAN-V0-8x1-SW	50
							Blue	525 467	PAN-V0-8x1-BL	20
							Green	525 471	PAN-V0-8x1-GN	20
							Red	525 475	PAN-V0-8x1-RT	20
							White	525 479	PAN-V0-8x1-WS	20
							Yellow	525 483	PAN-V0-8x1-GE	20
							Brown	525 487	PAN-V0-8x1-BR	20

\* Packaging unit



# Plastic tubing PAN-V0, standard O.D., flame retardant



Technical data

Dimensions and ordering data										
For push-in fitting O.D. D1 [mm]	O.D. [mm]	I.D. [mm]	Wall thickness of outside tubing [mm]	Max. cut length X [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
10	12	7.5	1	20	56	0.088	Black	160 552	PAN-V0-10x1,25-SW	50
							Blue	525 468	PAN-V0-10x1,25-BL	20
							Green	525 472	PAN-V0-10x1,25-GN	20
							Red	525 476	PAN-V0-10x1,25-RT	20
							White	525 480	PAN-V0-10x1,25-WS	20
							Yellow	525 484	PAN-V0-10x1,25-GE	20
							Brown	525 488	PAN-V0-10x1,25-BR	20
12	14	9	1	23	65	0.133	Black	160 553	PAN-V0-12x1,5-SW	50
							Blue	525 469	PAN-V0-12x1,5-BL	20
							Green	525 473	PAN-V0-12x1,5-GN	20
							Red	525 477	PAN-V0-12x1,5-RT	20
							White	525 481	PAN-V0-12x1,5-WS	20
							Yellow	525 485	PAN-V0-12x1,5-GE	20
							Brown	525 489	PAN-V0-12x1,5-BR	20

\* Packaging unit

# Plastic tubing PFAN, standard O.D.

Technical data



## Plastic tubing PFAN

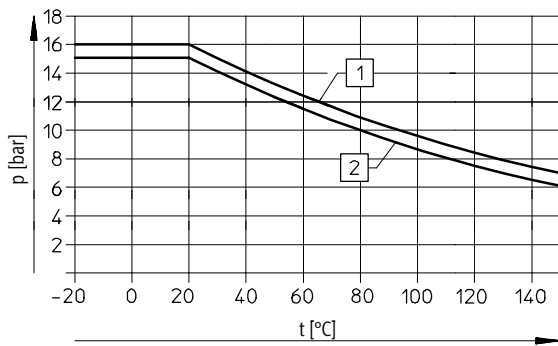
Pneumatic tubing with resistance to high temperatures and chemicals.

- - Temperature range  
-20 ... +150 °C

Material:  
Perfluor-alkoxyalkan



### Operating pressure p as a function of temperature t



- 1 PFAN-6/10/12
- 2 PFAN-4/8

### Possible fittings



Push-in fittings QS-F,  
Quick Star, metal  
→ 3 / 5.4-81



Quick connectors CK  
→ 3 / 5.5-5



Push-in fittings CRQS, Quick Star,  
stainless steel<sup>1)</sup>  
→ 3 / 5.4-91

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4	2.9	37	0.012	Natural	197 061	PFAN-4x0,75-NT	50
6	4	50	0.034		197 062	PFAN-6x1-NT	50
8	5.9	110	0.049		197 063	PFAN-8x1,25-NT	50
10	7	140	0.087		197 064	PFAN-10x1,5-NT	50
12	8.4	165	0.125		197 065	PFAN-12x1,75-NT	50

\* Packaging unit

# Plastic tubing PLN, standard O.D.

Technical data



## Plastic tubing PLN

Polyethylene tubing is distinguished by great resistance to chemicals and hydrolysis. It is resistant to most cleaning agents and lubricants.

Temperature range  
-30 ... +80 °C

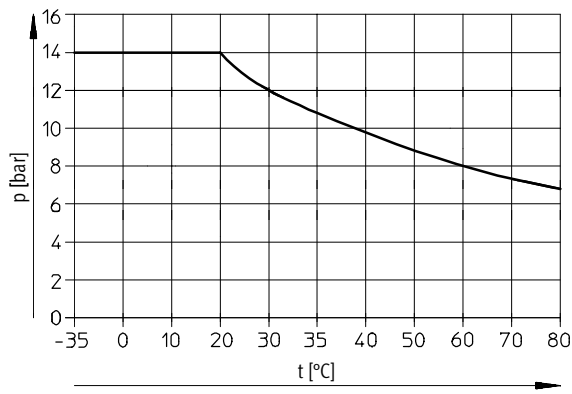
Material:  
Polyethylene  
Free of copper, PTFE and silicone



Piping, tubing and fittings  
Tubing

5.2

### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star  
→ 3 / 5.4-38



Barbed fittings CN  
→ 3 / 5.4-108



Push-in fittings QS-F,  
Quick Star, metal<sup>1)</sup>  
→ 3 / 5.4-81



Quick connectors CK  
→ 3 / 5.5-5

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4	2.9	25	0.0056	Natur	193 403	PLN-4x0,75-NT	50
				Black	195 280	PLN-4x0,75-SW	50
6	4	32	0.0147	Natur	193 404	PLN-6x1-NT	50
				Black	195 281	PLN-6x1-SW	50
8	5.9	50	0.0214	Natur	193 405	PLN-8x1,25-NT	50
				Black	195 282	PLN-8x1,25-SW	50
10	7	57	0.0375	Natur	193 406	PLN-10x1,5-NT	50
				Black	195 283	PLN-10x1,5-SW	50
12	8.4	65	0.0540	Natur	193 407	PLN-12x1,75-NT	50
				Black	195 284	PLN-12x1,75-SW	50

\* Packaging unit

# Plastic tubing PUN, standard O.D.

Technical data



## Plastic tubing PUN

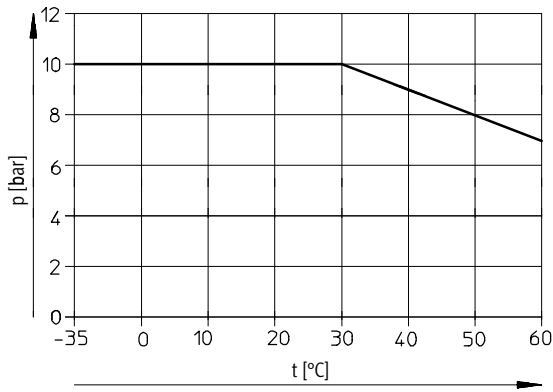
Highly flexible plastic tubing.

- - Temperature range  
-35 ... +60 °C

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star<sup>1)</sup>  
→ 3 / 5.4-38



Quick connectors CK  
→ 3 / 5.5-5



Push-in fittings QS-F,  
Quick Star, metal  
→ 3 / 5.4-81

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
3.0	2.1	12.5	0.004	Silver	152 583	PUN-3x0,5-SI	50
				Silver	525 738	PUN-3 x 0,5-SI-500	500
				Blue	159 660	PUN-3x0,5-BL	50
				Blue	525 745	PUN-3x0,5-BL-500	500
				Black	159 661	PUN-3x0,5-SW	50
				Yellow	178 416	PUN-3x0,5-GE	50
				Green	178 423	PUN-3x0,5-GN	50
				Red	178 409	PUN-3x0,5-RT	50
4.0	2.6	17.0	0.009	Silver	152 584	PUN-4x0,75-SI	50
				Silver	525 739	PUN-4x0,75-SI-500	500
				Blue	159 662	PUN-4x0,75-BL	50
				Blue	525 746	PUN-4x0,75-BL-500	500
				Black	159 663	PUN-4x0,75-SW	50
				Yellow	178 417	PUN-4x0,75-GE	50
				Green	178 424	PUN-4x0,75-GN	50
				Red	178 410	PUN-4x0,75-RT	50

\* Packaging unit

Core Range

# Plastic tubing PUN, standard O.D.



Technical data

Dimensions and ordering data							
O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
6.0	4.0	26.5	0.019	Silver	152 586	PUN-6x1-SI	50
				Silver	525 740	PUN-6x1-SI-500	500
				Blue	159 664	PUN-6x1-BL	50
				Blue	525 747	PUN-6x1-BL-500	500
				Black	159 665	PUN-6x1-SW	50
				Yellow	178 418	PUN-6x1-GE	50
				Green	178 425	PUN-6x1-GN	50
				Red	178 411	PUN-6x1-RT	50
8.0	5.7	37.0	0.030	Silver	152 587	PUN-8x1,25-SI	50
				Silver	525 741	PUN-8x1,25-SI-400	400
				Blue	159 666	PUN-8x1,25-BL	50
				Blue	525 748	PUN-8x1,25-BL-400	400
				Black	159 667	PUN-8x1,25-SW	50
				Yellow	178 419	PUN-8x1,25-GE	50
				Green	178 426	PUN-8x1,25-GN	50
				Red	178 412	PUN-8x1,25-RT	50
10.0	7.0	54.0	0.049	Silver	152 588	PUN-10x1,5-SI	50
				Silver	525 742	PUN-10x1,5-SI-300	300
				Blue	159 668	PUN-10x1,5-BL	50
				Blue	525 749	PUN-10x1,5-BL-300	300
				Black	159 669	PUN-10x1,5-SW	50
				Yellow	178 420	PUN-10x1,5-GE	50
				Green	178 427	PUN-10x1,5-GN	50
				Red	178 413	PUN-10x1,5-RT	50
12.0	8.0	62.0	0.077	Silver	152 589	PUN-12x2-SI	50
				Silver	525 743	PUN-12x2-SI-200	200
				Blue	159 670	PUN-12x2-BL	50
				Blue	252 750	PUN-12x2-BL-200	200
				Black	159 671	PUN-12x2-SW	50
				Yellow	178 421	PUN-12x2-GE	50
				Green	178 428	PUN-12x2-GN	50
				Red	178 414	PUN-12x2-RT	50
16.0	11.0	88.0	0.129	Silver	152 590	PUN-16x2,5-SI	50
				Silver	525 744	PUN-16x2,5-SI-100	100
				Blue	159 672	PUN-16x2,5-BL	50
				Blue	525 751	PUN-16x2,5-BL-100	100
				Black	159 673	PUN-16x2,5-SW	50
				Yellow	178 422	PUN-16x2,5-GE	50
				Green	178 429	PUN-16x2,5-GN	50
				Red	178 415	PUN-16x2,5-RT	50

\* Packaging unit

Core Range

# Plastic tubing PUN-DUO, standard O.D.

Technical data



## DUO tubing PUN-DUO

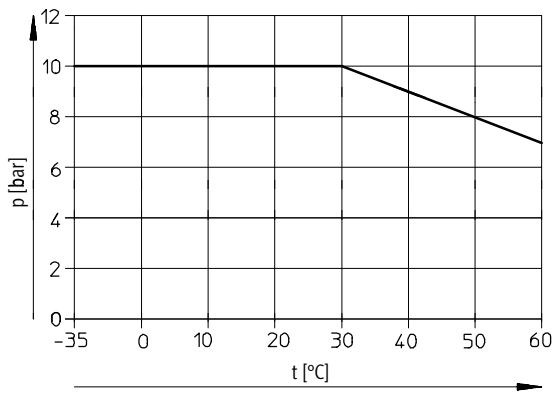
Highly flexible paired plastic tubing distinguished by great resistance to abrasion and kinks. Two lengths of tubing are fused together into a tubing pair. For fitting, the paired tubing is separated as required at both ends.

Temperature range  
-35 ... +60 °C

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star<sup>1)</sup>  
→ 3 / 5.4-38



Quick connectors CK  
→ 3 / 5.5-5



Push-in fittings QS-F,  
Quick Star, metal  
→ 3 / 5.4-81

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4	2.8	17	0.018	Silver	152 822	PUN-4x0,75-DUO-SI	50
	2.6			Blue/black	159 674	PUN-4x0,75-DUO-BS	50
6	4	26.5	0.038	Silver	152 823	PUN-6x1-DUO-SI	50
				Blue/black	159 675	PUN-6x1-DUO-BS	50
8	5.7	37	0.060	Silver	152 824	PUN-8x1,25-DUO-SI	50
				Blue/black	159 676	PUN-8x1,25-DUO-BS	50
10	7	54	0.098	Silver	152 825	PUN-10x1,5-DUO-SI	50
				Blue/black	159 677	PUN-10x1,5-DUO-BS	50

\* Packaging unit


# Plastic tubing PUN-E, standard O.D.


Technical data



## Plastic tubing PUN-E

Highly flexible, hydrolysis and microbe resistant tubing

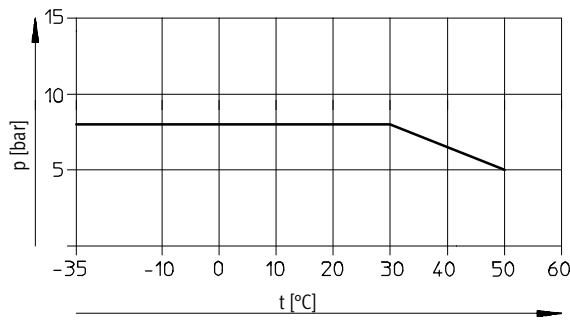
 Temperature range  
-20 ... +50 °C

 Pressure  
-0.95 ... +8 bar

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star<sup>1)</sup>  
→ 3 / 5.4-38  
→ 3 / 5.4-72



Push-in fittings QS-F,  
Quick Star, metal  
→ 3 / 5.4-81

1) Recommended fittings

### Dimensions and ordering data

Outside Ø [mm]	Inside Ø [mm]	Min. wall thickness [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4	2.9	0.45	30	0.008	silver	534 170	PUN-E-4x0,6-SI-500	500
					blue	534 171	PUN-E-4x0,6-BL-500	500
					black	538 465	PUN-E-4x0,6-SW	50
						538 460	PUN-E-4x0,6-SW-500	500
6	4.4	0.70	45	0.018	silver	534 172	PUN-E-6x0,8-SI-500	500
					blue	534 173	PUN-E-6x0,8-BL-500	500
					black	538 466	PUN-E-6x0,8-SW	50
						538 461	PUN-E-6x0,8-SW-500	500
8	6	0.90	50	0.026	silver	534 174	PUN-E-8x1-SI-400	400
					blue	534 175	PUN-E-8x1-BL-400	400
					black	538 467	PUN-E-8x1-SW	50
						538 462	PUN-E-8x1-SW-400	400
10	7.5	1.13	60	0.044	silver	534 176	PUN-E-10x1,25-SI-300	300
					blue	534 177	PUN-E-10x1,25-BL-300	300
					black	538 468	PUN-E-10x1,25-SW	50
						538 463	PUN-E-10x1,25-SW-300	300
12	8.8	1.35	80	0.069	silver	534 178	PUN-E-12x1,6-SI-200	200
					blue	534 179	PUN-E-12x1,6-BL-200	200
					black	538 469	PUN-E-12x1,6-SW	50
						538 464	PUN-E-12x1,6-SW-200	200

\* Packaging unit


## Plastic tubing PUN-CM, standard O.D., antistatic


Technical data

**FESTO**

### Plastic tubing PUN-CM

Highly flexible plastic tubing,  
 electrically conductive.  
 Surface resistance  $10^4 \dots 10^7 \text{ Ohm}$

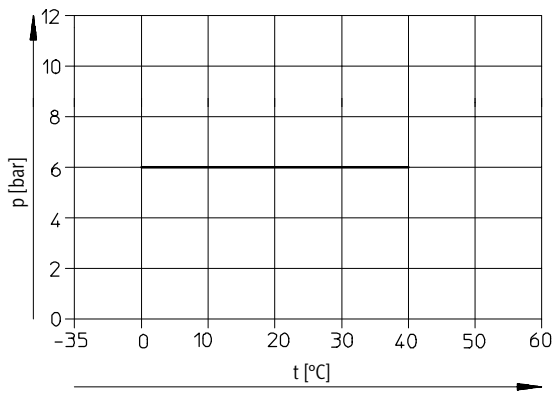
-  - Temperature range  
 0 ... +40 °C

-  - Pressure  
 -0,95 ... +6 bar

Material:  
 Polyurethane  
 Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t





### Possible fittings



Push-in fittings QS-F,  
 Quick Star, metal  
 → 3 / 5.4-81

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU*	
4	2.5	17	0.009	Black	188 882	PUN-CM-4-SW	50	
6	4	26.5	0.019		188 883	PUN-CM-6-SW	50	
8	5	37	0.037		130 816	PUN-CM-8-SW	 New	50
10	6.5	54	0.054		130 817	PUN-CM-10-SW	 New	50
12	8	70	0.075		130 818	PUN-CM-12-SW	 New	50

\* Packaging unit



# Plastic tubing PUN-H, standard O.D., hydrolysis resistant



Technical data

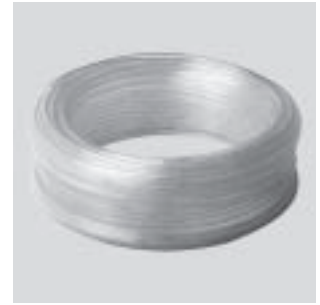
## Plastic tubing PUN-H

Approved for use in the food industry.

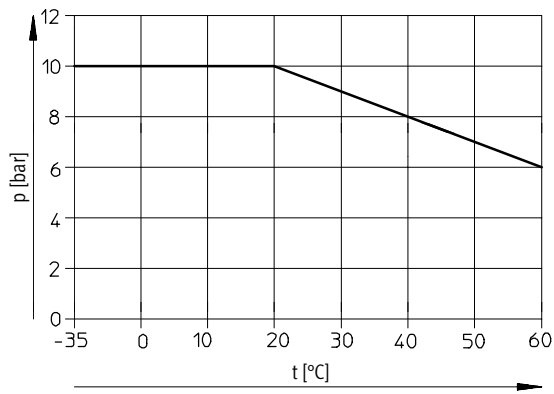
- - Temperature range  
-35 ... +60 °C

- - Pressure  
-0,95 ... +6 bar

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star  
→ 3 / 5.4-38



Push-in fittings QS-F,  
Quick Star, metal<sup>1)</sup>  
→ 3 / 5.4-81

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
3	2.1	12	0.0042	Natur	197 375	PUN-H-3x0,5 NT	50
				Blue	197 382	PUN-H-3x0,5 BL	50
				Black	197 389	PUN-H-3x0,5 SW	50
4	2.6	16	0.0085	Natur	197 376	PUN-H-4x0,75 NT	50
				Blue	197 383	PUN-H-4x0,75 BL	50
				Black	197 390	PUN-H-4x0,75 SW	50
6	4	26	0.0183	Natur	197 377	PUN-H-6x1 NT	50
				Blue	197 384	PUN-H-6x1 BL	50
				Black	197 391	PUN-H-6x1 SW	50
8	5.7	37	0.0287	Natur	197 378	PUN-H-8x1,25 NT	50
				Blue	197 385	PUN-H-8x1,25 BL	50
				Black	197 392	PUN-H-8x1,25 SW	50
10	7	52	0.0465	Natur	197 379	PUN-H-10x1,5 NT	50
				Blue	197 386	PUN-H-10x1,5 BL	50
				Black	197 393	PUN-H-10x1,5 SW	50
12	8	62	0.0729	Natur	197 380	PUN-H-12x2 NT	50
				Blue	197 387	PUN-H-12x2 BL	50
				Black	197 394	PUN-H-12x2 SW	50
16	11	88	0.1230	Natur	197 381	PUN-H-16x2,5 NT	50
				Blue	197 388	PUN-H-16x2,5 BL	50
				Black	197 395	PUN-H-16x2,5 SW	50

\* Packaging unit

# Plastic tubing PUN-H-DUO, standard O.D., hydrolysis resistant

Technical data



## DUO tubing PUN-H-DUO

Highly flexible paired plastic tubing distinguished by great resistance to abrasion and kinks. Two lengths of tubing are fused together into a tubing pair. For fitting, the paired tubing is separated as required at both ends.

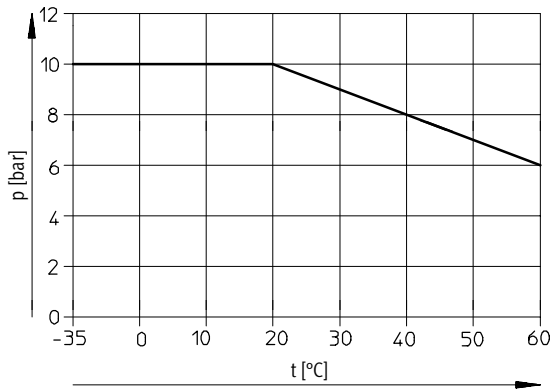
- - Temperature range  
-35 ... +60 °C

- - Pressure  
-0,95 ... +6 bar

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star  
→ 3 / 5.4-38



Push-in fittings QS-F,  
Quick Star, metal<sup>1)</sup>  
→ 3 / 5.4-81

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4	2.6	16	0.0170	Blue/black	197 396	PUN-H-4x0,75-DUO	50
6	4	26	0.0366	Blue/black	197 397	PUN-H-6x1-DUO	50
8	5.7	37	0.0574	Blue/black	197 398	PUN-H-8x1,25-DUO	50
10	7	52	0.0930	Blue/black	197 399	PUN-H-10x1,5-DUO	50

\* Packaging unit

# Plastic tubing PUN-V0, standard O.D., flame retardant



Technical data

## Plastic tubing PUN-V0

Highly flexible plastic tubing, flame retardant to UL 94 V0 ... V2.

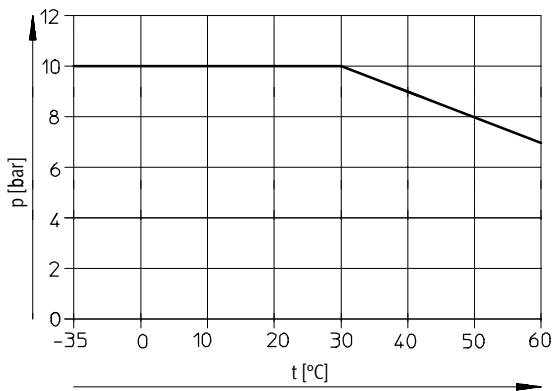
- - Temperature range  
-35 ... +60 °C

- - Pressure  
-0,95 ... +7 bar

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fittings QS,  
Quick Star  
→ 3 / 5.4-38



Quick connectors CK  
→ 3 / 5.5-5



Push-in fittings QS-F,  
Quick Star, metal<sup>1)</sup>  
→ 3 / 5.4-81

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
6	4	26.5	0.0200	Black	525 438	PUN-V0-6x1-SW	50
				Blue	525 442	PUN-V0-6x1-BL	50
				Green	525 446	PUN-V0-6x1-GN	50
				Red	525 450	PUN-V0-6x1-RT	50
				White	525 454	PUN-V0-6x1-WS	50
				Yellow	525 458	PUN-V0-6x1-GE	50
				Brown	525 462	PUN-V0-6x1-BR	50
8	5.7	37	0.0314	Black	525 439	PUN-V0-8x1,25-SW	50
				Blue	525 443	PUN-V0-8x1,25-BL	50
				Green	525 447	PUN-V0-8x1,25-GN	50
				Red	525 451	PUN-V0-8x1,25-RT	50
				White	525 455	PUN-V0-8x1,25-WS	50
				Yellow	525 459	PUN-V0-8x1,25-GE	50
				Brown	525 463	PUN-V0-8x1,25-BR	50
10	7	54	0.0509	Black	525 440	PUN-V0-10x1,5-SW	50
				Blue	525 444	PUN-V0-10x1,5-BL	50
				Green	525 448	PUN-V0-10x1,5-GN	50
				Red	525 452	PUN-V0-10x1,5-RT	50
				White	525 456	PUN-V0-10x1,5-WS	50
				Yellow	525 460	PUN-V0-10x1,5-GE	50
				Brown	525 464	PUN-V0-10x1,5-BR	50

\* Packaging unit

# Plastic tubing PUN-V0, standard O.D., flame retardant



Technical data

Dimensions and ordering data							
O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
12	8	62	0.0798	Black	525 441	PUN-V0-12x2-SW	50
				Blue	525 445	PUN-V0-12x2-BL	50
				Green	525 449	PUN-V0-12x2-GN	50
				Red	525 453	PUN-V0-12x2-RT	50
				White	525 457	PUN-V0-12x2-WS	50
				Yellow	525 461	PUN-V0-12x2-GE	50
				Brown	525 465	PUN-V0-12x2-BR	50

\* Packaging unit

# Plastic tubing, standard I.D.

Type codes

	PU	8		BL
--	----	---	--	----

Material	
PL	Polyethylene, I.D. 3, 4, 6
PL	Polyvinyl chloride, O.D. 9, 13
PP	Polyamide
PU	Polyurethane
PCN	Polyvinyl chloride
P	Nitrile rubber
PX	Nitrile rubber

Internal Ø [mm]	

Twin tubing	
DUO	Twin tubing

Colour	
SW	Black
BL	Blue
SI	Silver
NT	Natural
BS	Blue/black


# Plastic tubing PL, standard I.D.


Technical data



## Plastic tubing PL

Tubing types PL-3, PL-4 and PL-6 are approved for use in the production of foodstuffs and cosmetics as per the Food Act §2.

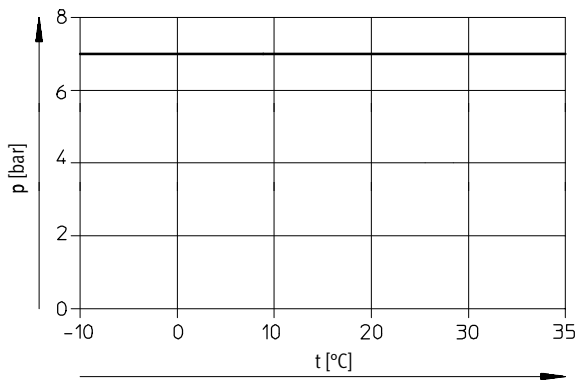
-  - Temperature range  
-10 ... +35 °C

-  - Pressure  
-0.95 ... +7 °C

Material:  
Polyethylene  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Barbed fittings CN  
→ 3 / 5.4-108



Quick connectors CK<sup>1)</sup>  
→ 3 / 5.5-5

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4.3	3	18	0.007	Natural	3 856	PL-3-NT	50
				Blue	3 453	PL-3-BL	50
				Black	4 640	PL-3-SW	50
6.2	4	22.5	0.016	Natural	2 236	PL-4-NT	50
				Blue	3 861	PL-4-BL	50
				Black	4 641	PL-4-SW	50
8.4	6	39	0.025	Natural	2 237	PL-6-NT	50
				Blue	3 862	PL-6-BL	50
				Black	4 642	PL-6-SW	50


\* Packaging unit


# Plastic tubing PL, standard I.D.

Technical data



## Plastic tubing PL

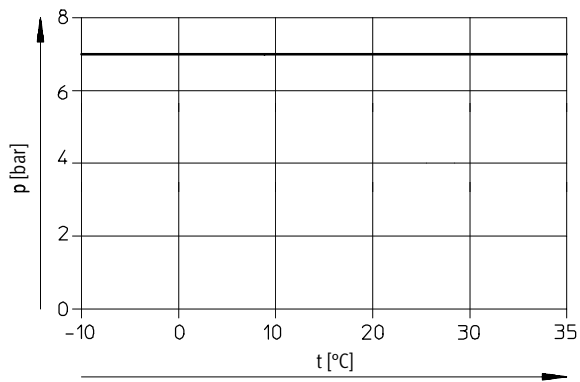
-  - Temperature range  
-10 ... +35 °C

-  - Pressure  
0 ... 7 °C

Material:  
Polyvinyl chloride with reinforcing fabric  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Quick connectors CK  
→ 3 / 5.5-5

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
11.6	9	85	0.049	Blue	2 238	PL-9-BL	50
17.6	13	100	0.135	Blue	4 103	PL-13-BL	50

\* Packaging unit

# Plastic tubing PP, standard I.D.

Technical data



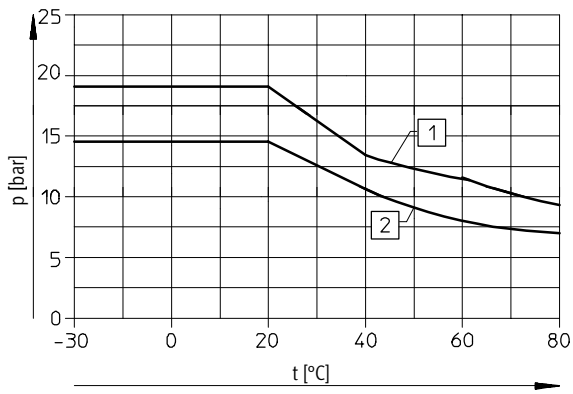
## Plastic tubing PP

- 🌡️ - Temperature range  
-30 ... +80 °C

Material:  
Polyamide  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



- 1) PP-4
- 2) PP-3/6

### Possible fittings



Barbed fittings CN  
→ 3 / 5.4-108



Quick connectors CK<sup>1)</sup>  
→ 3 / 5.5-5

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
4.3	3	19	0.007	Natural	4 572	PP-3-NT	50
6	4	27	0.016	Natural	4 231	PP-4-NT	50
8.2	6	50	0.025	Natural	4 191	PP-6-NT	50

\* Packaging unit



# Plastic tubing PU, standard I.D.

Technical data



## Plastic tubing PU

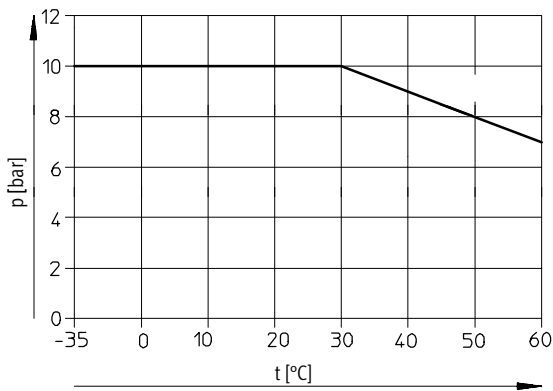
Highly flexible plastic tubing distinguished by its great resistance to abrasion and kinks.

Temperature range  
-35 ... +60 °C

Material:  
Polyurethane  
PU-9 and PU-13 Polyurethane with reinforcing fabric  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Barbed fittings CN  
→ 3 / 5.4-108



Quick connectors CK<sup>1)</sup>  
→ 3 / 5.5-5

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
3.2	2.2	13	0.005	Blue	13 365	PU-2-BL	50
				Black	13 366	PU-2-SW	50
4.3	2.9	14	0.009	Blue	5 732	PU-3-BL	50
				Black	5 731	PU-3-SW	50
6.1	3.9	20	0.021	Blue	6 204	PU-4-BL	50
				Black	5 733	PU-4-SW	50
8.3	5.9	36	0.033	Blue	9 159	PU-6-BL	50
				Black	6 731	PU-6-SW	50
11	8	84	0.055	Blue	8 976	PU-8-BL	50
				Black	11 255	PU-8-SW	50
<b>Fibre-reinforced</b>							
11.6	9	76	0.051	Black	12 134	PU-9-SW	50
17.6	13	83	0.140	Black	12 133	PU-13-SW	50

\* Packaging unit

# Plastic tubing PU-DUO, standard I.D.

Technical data



## DUO tubing PU-DUO

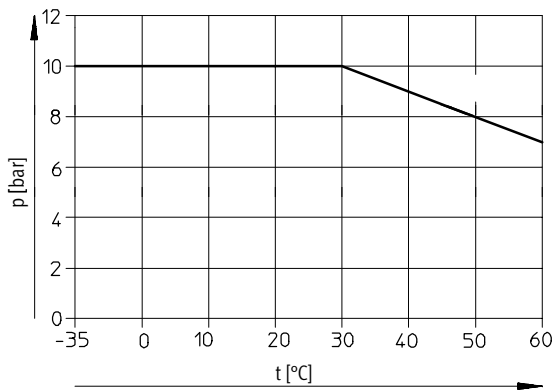
Highly flexible paired plastic tubing distinguished by great resistance to abrasion and kinks. Two lengths of tubing are fused together into a tubing pair. For fitting, the paired tubing is separated as required at both ends.

Temperature range  
-35 ... +60 °C

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Barbed fittings CN  
→ 3 / 5.4-108



Quick connectors CK<sup>1)</sup>  
→ 3 / 5.5-5

1) Recommended fitting

### Dimensions and ordering data

O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
3.2	2.2	13	0.010	Blue/black	19 581	PU-2-DUO-BS	50
4.3	2.9	14	0.019	Blue/black	11 958	PU-3-DUO-BS	50
6.1	3.9	19.5	0.042	Blue/black	11 959	PU-4-DUO-BS	50
8.3	5.9	36	0.066	Blue/black	11 960	PU-6-DUO-BS	50
11	8	84	0.110	Blue/black	13 295	PU-8-DUO-BS	50

\* Packaging unit

# Plastic tubing PCN/P/PX

Technical data



## Plastic tubing PCN

for use with condensate drains on D series service units

Temperature range  
-10 ... +60 °C

Material:  
Polyvinyl chloride with reinforcing fabric



Dimensions and ordering data						
O.D. [mm]	I.D. [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
6.5	4	0.025	Natural	7 134	PCN-4-NT	50

## Plastic tubing P

Tubing for barbed hose fitting N

Temperature range  
-20 ... +80 °C

Material:  
Nitrile rubber



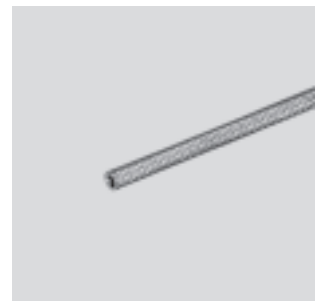
Dimensions and ordering data							
O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
13	6	40	0.145	Blue	2 231	P-6	40
16	9	50	0.185	Blue	2 232	P-9	40
23	13	100	0.400	Black	2 234	P-13	40
31	19	200	0.719	Black	2 235	P-19	40

## Metal braided shielded hose PX

for fitting CX  
Heavy duty tubing

Temperature range  
-20 ... +80 °C

Material:  
Nitrile rubber with metal braiding



Dimensions and ordering data							
O.D. [mm]	I.D. [mm]	Min. bending radius [mm]	Weight [kg/m]	Colour	Part No.	Type	PU* [m]
7	4	20	0.101	Silver	4 093	PX-4	40
9	6	30	0.140	Silver	4 094	PX-6	40
12	9	45	0.171	Silver	4 095	PX-9	40

\* Packaging unit

# Spiral plastic tubing

Type codes

PUN - 8 x 1.25 - S - 1 - DUO - BL

**Material**

PUN	Polyurethane
PPS	Polyamide

**Outside Ø [mm]**

**Wall thickness [mm]**

**Design**

S	Spiral
---	--------

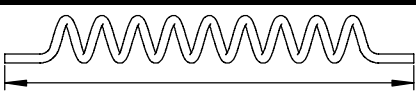
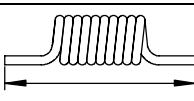
**Working length [m]**


**Twin tubing**

DUO	Twin tubing
-----	-------------

**Colour**

SW	Black
BL	Blue
BS	Blue/black

Length specifications		
	Working length	With tensile load, 80% of the maximum section length
	Block length	Without tensile load

 - Note  
The working length represents 80% of the maximum permissible expansion. This maximum expansion is the limiting value before permanent deformation takes place.


# Spiral plastic tubing PUN-S


Technical data



## Spiral plastic tubing PUN-S

Highly flexible plastic tubing

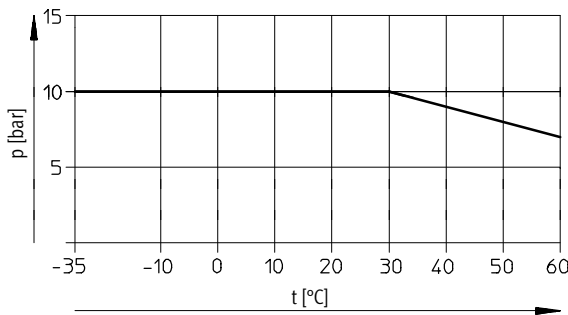
 Temperature range  
-35 ... +60 °C

 Pressure  
-0.95 ... +7 bar

Material:  
Polyurethane  
Free of copper, PTFE and silicone



### Operating pressure p as a function of temperature t



### Possible fittings



Push-in fitting QS,  
Quick Star<sup>1)</sup>  
→ 3 / 5.4-38



Quick connector CK  
→ 3 / 5.5-5



Push-in fitting QS-F,  
Quick Star, metal  
→ 3 / 5.4-81

1) Recommended fitting

Dimensions and ordering data								
Outside Ø	Inside Ø	Winding Ø	Working length	Number of windings	Weight	Colour	Part No.	Type
[mm]	[mm]	[mm]	[m]		[kg/m]			
4	2.6	25	0.5	20	0.013	Blue	197 587	PUN-4x0,75-S-0,5-BL
						Black	197 602	PUN-4x0,75-S-0,5-SW
				1	45	0.027	Blue	197 588
			1.5	70	0.042	Black	197 603	PUN-4x0,75-S-1-SW
						Blue	197 589	PUN-4x0,75-S-1,5-BL
				Black	197 604	PUN-4x0,75-S-1,5-SW		
6	4	40	1	23	0.051	Blue	197 590	PUN-6x1-S-1-BL
						Black	197 605	PUN-6x1-S-1-SW
			2	52	0.110	Blue	197 591	PUN-6x1-S-2-BL
						Black	197 606	PUN-6x1-S-2-SW
			6	168	0.350	Blue	197 592	PUN-6x1-S-6-BL
						Black	197 607	PUN-6x1-S-6-SW
8	5.7	60	1	12	0.650	Blue	197 593	PUN-8x1,25-S-1-BL
						Black	197 608	PUN-8x1,25-S-1-SW
			2	27	0.140	Blue	197 594	PUN-8x1,25-S-2-BL
						Black	197 609	PUN-8x1,25-S-2-SW
			6	87	0.440	Blue	197 595	PUN-8x1,25-S-6-BL
						Black	197 610	PUN-8x1,25-S-6-SW

## Spiral plastic tubing PUN-S

Technical data


Dimensions and ordering data								
Outside Ø	Inside Ø	Winding Ø	Working length	Number of windings	Weight	Colour	Part No.	Type
[mm]	[mm]	[mm]	[m]		[kg/m]			
10	7	80	1	9.5	0.110	Blue	197 596	PUN-10x1,5-S-1-BL
						Black	197 611	PUN-10x1,5-S-1-SW
			2	22	0.250	Blue	197 597	PUN-10x1,5-S-2-BL
						Black	197 612	PUN-10x1,5-S-2-SW
			6	70	0.760	Blue	197 598	PUN-10x1,5-S-6-BL
						Black	197 613	PUN-10x1,5-S-6-SW
12	8	95	1	9	0.200	Blue	197 599	PUN-12x2-S-1-BL
						Black	197 614	PUN-12x2-S-1-SW
			2	20	0.420	Blue	197 600	PUN-12x2-S-2-BL
						Black	197 615	PUN-12x2-S-2-SW
			6	64	1.300	Blue	197 601	PUN-12x2-S-6-BL
						Black	197 616	PUN-12x2-S-6-SW

# Spiral plastic tubing PUN-S-DUO


Technical data



**DUO spiral plastic tubing  
PUN-S-DUO**

 Temperature range  
-35 ... +60 °C

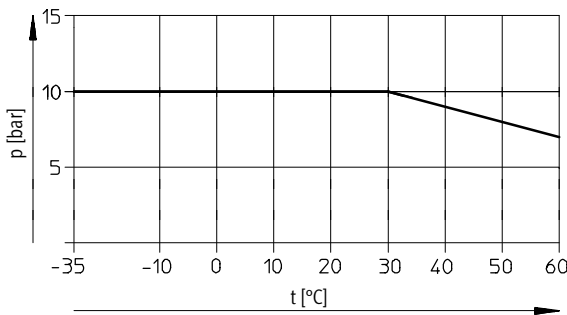
Highly flexible plastic tubing

 Pressure  
-0.95 ... +7 bar

Material:  
Polyurethane  
Free of copper, PTFE and silicone



## Operating pressure p as a function of temperature t



## Possible fittings



Push-in fitting QS,  
Quick Star<sup>1)</sup>  
→ 3 / 5.4-38



Quick connector CK  
→ 3 / 5.5-5



Push-in fitting QS-F,  
Quick Star, metal  
→ 3 / 5.4-81

1) Recommended fitting

Dimensions and ordering data							
Outside Ø	Inside Ø	Winding Ø	Working length	Number of windings	Weight	Colour	Part No. Type
[mm]	[mm]	[mm]	[m]		[kg/m]		
4	2.6	25	0.5	20	0.025	Blue/black	197 617 PUN-4x0,75-S-0,5-DUO-BS
			1	45	0.055		197 618 PUN-4x0,75-S-1-DUO-BS
			1.5	70	0.084		197 619 PUN-4x0,75-S-1,5-DUO-BS
6	4	40	1	23	0.102	Blue/black	197 620 PUN-6x1-S-1-DUO-BS
			2	52	0.230		197 621 PUN-6x1-S-2-DUO-BS
			6	168	0.700		197 622 PUN-6x1-S-6-DUO-BS
8	5.7	60	1	12	0.130	Blue/black	197 623 PUN-8x1,25-S-1-DUO-BS
			2	27	0.280		197 624 PUN-8x1,25-S-2-DUO-BS
			6	87	0.870		197 625 PUN-8x1,25-S-6-DUO-BS
10	7	80	1	9.5	0.220	Blue/black	197 626 PUN-10x1,5-S-1-DUO-BS
			2	22	0.490		197 627 PUN-10x1,5-S-2-DUO-BS
			6	70	1.520		197 628 PUN-10x1,5-S-6-DUO-BS
12	8	95	1	9	0.390	Blue/black	197 629 PUN-12x2-S-1-DUO-BS
			2	20	0.830		197 630 PUN-12x2-S-2-DUO-BS
			6	64	2.600		197 631 PUN-12x2-S-6-DUO-BS

# Spiral plastic tubing PUN-SG, pre-assembled

Technical data



## Spiral plastic tubing PUN-SG

- - Temperature range  
-40 ... +60 °C

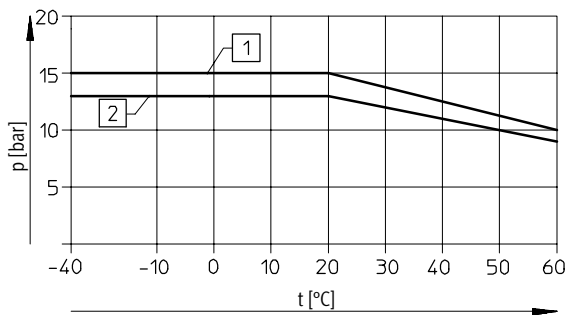
Highly flexible and hydrolysis resistant pneumatic tubing with fabric reinforcing and captive rotatable fittings.

- - Pressure  
-0.95 ... +9 bar

Material:  
Polyurethane



### Operating pressure p as a function of temperature t



- 1 PUN-10x1,5-SG
- 2 PUN-12x2-SG

### Dimensions and ordering data

Outside Ø [mm]	Inside Ø [mm]	Connection	Working length [m]	Weight [kg/m]	Colour	Part No.	Type
9.5	6.4	G $\frac{1}{4}$	2.4	0.180	Blue	533 463	PUN-10x1,5-SG-2,4-BL- $\frac{1}{4}$
			4.8	0.340		533 464	PUN-10x1,5-SG-4,8-BL- $\frac{1}{4}$
			6	0.430		533 465	PUN-10x1,5-SG-6-BL- $\frac{1}{4}$
11.7	7.9	G $\frac{3}{8}$	4.8	0.480		533 466	PUN-12x2-SG-4,8-BL- $\frac{3}{8}$
			6	0.560		533 467	PUN-12x2-SG-6-BL- $\frac{3}{8}$



# Spiral plastic tubing PPS, pre-assembled

Technical data



## Spiral plastic tubing PPS

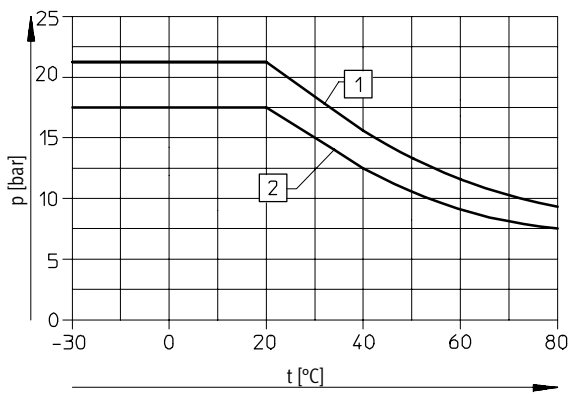
This hydrolysis resistant plastic tubing demonstrates high thermal and mechanical load capacities. Each length of tubing is delivered ready for installation with 2 rotatable fittings and suitable sealing rings. Kinks at the tubing ends are prevented with the anti-kinking springs.

Temperature range  
-30 ... +80 °C

Material:  
Polyamide  
Free of copper, PTFE and silicone  
→ Ordering data



### Operating pressure p as a function of temperature t

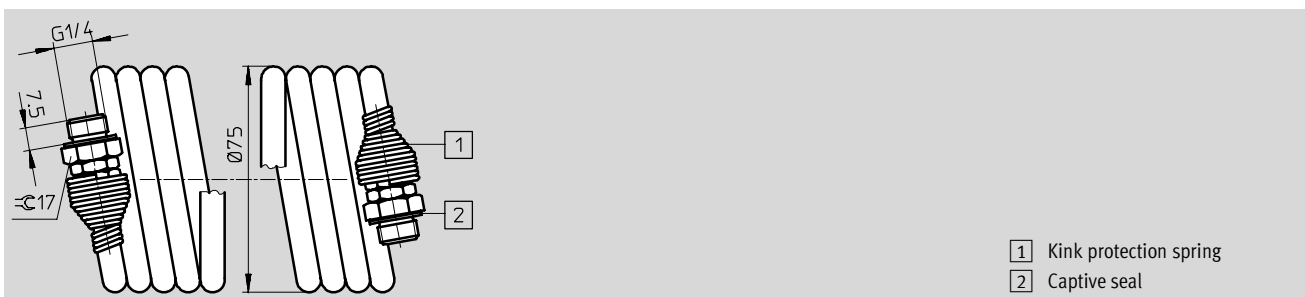


- 1 PPS-4
- 2 PPS-6

### Dimensions and ordering data

Outside Ø [mm]	Inside Ø [mm]	Connection	Working length [m]	Block length [mm]	Colour	Part No.	Type	Part No.	Type
6.35	4.75	G1/4	7.5	340	Blue	19 798	PPS-4-7,5-1/4-BL	165 871	PPS-4-7,5-1/4-CT-BL <sup>1)</sup>
			15	670		19 799	PPS-4-15-1/4-BL	165 870	PPS-4-15-1/4-CT-BL <sup>1)</sup>
7.5	7.5		430	19 796		PPS-6-7,5-1/4-BL	165 873	PPS-6-7,5-1/4-CT-BL <sup>1)</sup>	
	15		800	19 797		PPS-6-15-1/4-BL	165 872	PPS-6-15-1/4-CT-BL <sup>1)</sup>	

1) Free of copper, PTFE and silicone



- 1 Kink protection spring
- 2 Captive seal

Core Range