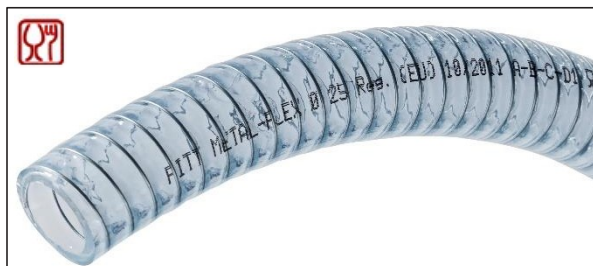


## PVC universal hoses



### METALFLEX PVC

**PVC hose reinforced with steel wire coil, universal and for food substances**

**Hose material:** transparent soft PVC  
**Reinforcement:** galvanised steel spiral  
**Operating temperature:** -10°C to +65°C  
 (temperature-dependent operating pressure)

Universal, lightweight, highly flexible suction and delivery hose for general industrial applications for water and light chemicals, other liquids (without grease, oils and hydrocarbons). Can also be used for air, vacuum transfer of dusts and powders - abrasion and possible static electricity problem must then be considered.

It can be used (at temperatures up to 40°C) for liquid and semi-liquid foodstuffs such as juices, beverages, beer, wine, alcohols up to 50%, milk and milk products. It is not recommended for oils and oily food substances.

Reinforced with a steel wire spiral embedded in a soft PVC wall, it provides good resistance to vacuum and hose kinking. The transparent wall allows easy visual inspection of the flow. As a hose reinforced only with a steel helix (no braid), it has some elongation under pressure, which should be taken into account in applications, especially at elevated temperatures.



METALFLEX PVC hose complies with the European requirements 1935/2004/EC, 10/2011/EU (simulants A, B, C and D1), 2023/2006/EC (GMP) and FDA CFR 21 175.300 and 175.1210. Suitable for temporary food contact for the transfer of foodstuffs - under the conditions specified in the manufacturer's declaration of conformity (available from Tubes International). For additional information on food applications, see the section "Hoses for food products".



index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 20°C [bar]	Bursting pressure 20°C [bar]	20°C vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
FT-MFLEX-PVC-010	10	16	3	9	27	0,9	25	0,16	30
FT-MFLEX-PVC-012	12	18	3	9	27	0,9	30	0,18	30
FT-MFLEX-PVC-013	13	19,2	3,1	9	27	0,9	30	0,19	30
FT-MFLEX-PVC-014	14	20,4	3,2	8	24	0,9	30	0,20	30
FT-MFLEX-PVC-016	16	22,6	3,3	8	24	0,9	35	0,25	30
FT-MFLEX-PVC-018	18	25	3,5	8	24	0,9	40	0,28	30
FT-MFLEX-PVC-019	19	26	3,5	7	21	0,9	40	0,305	30
FT-MFLEX-PVC-020	20	27,2	3,6	7	21	0,9	45	0,34	30
FT-MFLEX-PVC-025	25	33	4	6	18	0,9	55	0,51	30
FT-MFLEX-PVC-030	30	38	4	5	15	0,9	70	0,60	30
FT-MFLEX-PVC-032	32	40,2	4,1	5	15	0,9	75	0,65	30
FT-MFLEX-PVC-035	35	43,4	4,2	4	12	0,9	85	0,73	30
FT-MFLEX-PVC-038	38	47	4,5	4	12	0,9	90	0,80	30
FT-MFLEX-PVC-040	40	49	4,5	4	12	0,9	95	0,87	30
FT-MFLEX-PVC-045	45	55	5	4	12	0,8	105	1,10	30
FT-MFLEX-PVC-050	51	61,4	5,2	3	9	0,8	120	1,20	30
FT-MFLEX-PVC-060	60	72	6	3	9	0,8	150	1,80	30
FT-MFLEX-PVC-063	63	75	6	3	9	0,8	160	1,95	30
FT-MFLEX-PVC-070	70	82	6	2,5	7,5	0,8	175	2,20	30
FT-MFLEX-PVC-076	76	88	6	2,5	7,5	0,8	190	2,50	30
FT-MFLEX-PVC-080	80	92,4	6,2	2,5	7,5	0,8	220	2,70	30
FT-MFLEX-PVC-090	90	104	7	2,5	7,5	0,7	245	3,00	30
FT-MFLEX-PVC-102	102	117	7,5	2,5	7,5	0,7	280	3,40	30
FT-MFLEX-PVC-110	110	125	7,5	2	6	0,6	345	3,67	30
FT-MFLEX-PVC-120	120	135,4	7,7	2	6	0,6	375	4,40	30
FT-MFLEX-PVC-127	127	143	8	2	6	0,6	410	4,70	30
FT-MFLEX-PVC-152	152	168,8	8,4	1	4	0,6	490	6,35	30

Note: indexes highlighted in colour - most commonly used

Temperature dependence of burst pressure and working pressure for typical PVC hoses	temperature	20°C	30°C	40°C	50°C	60°C	70°C
	pressure	100%	74%	55%	40%	30%	22%

**You will find a wide variety of food hoses in the section "Hoses for food substances". !**