

## PVC universal hoses



### TCN COLOR

**Universal braided PVC hose, also for foodstuffs**

**Inner layer:** transparent PVC  
**Reinforcement:** Polyester braid  
**Outer layer:** blue or red PVC  
**Operating temperature:** -15°C to +60°C  
 (working pressure dependent on temperature)

Multifunctional PVC hose, soft, flexible and elastic. Suitable for water, air and light chemicals. Often used to colourfully distinguish individual installation lines. Available in black on special order.

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.



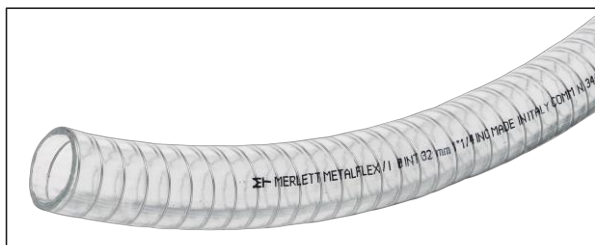
TCN COLOR hose complies with European requirements 1935/2004/EC, 10/2011/EU (simulants A, B, C and D1), 2023/2006/EC (GMP). It is suitable for temporary food contact for the transfer of food substances - under the conditions specified in the manufacturer's declaration of conformity (available from Tubes International). For additional information on food applications, see chapter "Hoses for food products".



index (blue)	index (red)	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 20°C [bar]	Bursting pressure 20°C [bar]	mass [kg/m]	Roll length [m]
TR-TCN-06-BL	TR-TCN-06-R	6,3	11	2,35	22	66	0,076	30
TR-TCN-08-BL	TR-TCN-08-R	8	13	2,5	21	63	0,100	30
TR-TCN-10-BL	TR-TCN-10-R	10	16	3	20	60	0,146	30
TR-TCN-13-BL	TR-TCN-13-R	12,5	18	2,75	20	60	0,159	30
TR-TCN-19-BL	TR-TCN-19-R	19	26	3,5	20	60	0,298	30
TR-TCN-25-BL	TR-TCN-25-R	25	33	4	16	48	0,439	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%



### ARMORVIN (METALFLEX) INDUSTRY

**PVC hose reinforced with steel wire spiral**

**material:** transparent soft PVC  
**Reinforcement:** galvanised steel spiral  
**Operating temp:** -5°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, powders and other low abrasive materials (abrasion and possible problem of static electricity must then be taken into account). The reinforcement with a steel wire spiral, embedded in a soft PVC wall, 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.

Note: Marking (branding) on the hose: (Continental) MERLETT METALFLEX / I.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure 23°C [bar]	Bursting pressure 23°C [bar]	vacuum 23°C [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-ARMIND-12	12	17,5	2,75	7	21	0,85	30	0,16	60
ME-ARMIND-25	25	32	3,5	5	15	0,85	65	0,45	60
ME-ARMIND-32	32	40	4	4,5	13,5	0,85	80	0,58	60
ME-ARMIND-40	40	49	4,5	3	9	0,85	100	0,845	30

Note: Indices highlighted in colour - while stocks last.

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%

Check hoses with similar characteristics in this chapter and in the section "Hoses for food substances". !