

# Potable water hose

in 50 m reels



**Art. No.** 113956

**Type No.** TWS.25



Exemplary illustration

Multi-layer hose suitable for drinking water, meets the KTW specifications of the German Federal Environment Agency (Cat. " A ") and DVGW Code of Practice W270.

Ideal for conveying drinking water, (alcoholic) beverages, liquid foods, vegetable oils and dairy products.

Complies with EU Regulation No. 10/2011 regarding contact with food, simulants A, B, C, D1, D2.

## Technical data

Max. Operating pressure at 23 °C	16 bar
Temperature range	-15 to 60 °C
Outer cover	Soft PE
Inner tube	Soft PE
Braid	high-strength polyester fabric
Tube I.D.	25 mm
Tube O.D.	34.5 mm
Min. bending radius	295 mm
Reel length	50 m
Weight	0.394 kg/m

## Commercial data

Customs tariff number	39173900
Country of origin	FR
eCl@ss 5.1.4	37110190
eCl@ss 9.0	37110190
UNSPSC_Code_v190501	40142008
UNSPSC_CodeDesc_v190501	Water hoses

## Material informations

REACH SVHC1 substance name	no
CAS no. SVHC 1	no CAS No.
RoHS materials notice	RoHS compliant
REACH Info	no SVHC substance included

## Product informations

### Essential conditions for secured application of hose assemblies:

#### 1. Selection of hose and fittings according demand (specification) by medium and application (working circumstances).

- Particles of liquid or solid agents may physically penetrate, respectively cause chemical reactions.
- Physical effects: causing change in volume of the hose material, consequently causing a change in its characteristics i.e. hardness, tensile strength, elongation.
- Chemical effects: causing change in chemical construction of hose material, causing change in properties (e.g.: plasticizers or ageing-protectors are decomposed causing possible spill or leakage).
- The permitted working pressure and vacuum are not to be exceeded.
- The permitted working temperature in interdependence with the medium is not to be exceeded.
- In case of abrasion always consider wear and tear, and regular checking of the hose is required.
- Hose assemblies may, in the process of use, never absorb dangerous electrical charges and where applicable the electrical resistance (measured over the hose from fitting to fitting) may not exceed the value of 10<sup>6</sup> Ohm.
- The indicated overpressure on the plastic spiral hoses refers to a short-term pressure at 20 °C. Multiple overpressure usage will lead to a weakened hose and will also reduce the lifetime of the hose.

#### 2. Professional assembly:

- The selection of hose and fittings must be made in correct sizes and attuned to each other.
- Assemblies of fittings may only be executed by experts and is always subjected to prevailing directives.

#### 3. Correct storage:

- Always keep the hoses dry and clean.
- Avoid influences from radiation of Ultra Violet and sunshine.
- Store tension free and kink free.
- Avoid temperatures under -10 °C and over 30 °C.

#### 4. Correct utilization:

- Hose-assemblies must always be installed accessible for persons, in its natural position and unobstructed. Take into account that hoses under vacuum suffer from decrease in length, under pressure change in length and diameter will occur (non-reinforced PVC spiral hoses may elongate till 40% of its original length when maximum working pressure is applied).
- Hose-lengths may, in essence, not be claimed on their ability of torsion, elongation and pulling strength.
- Hose lengths may not be put under torsion, compression and extension.
- Hose lengths may not be bended below its bending radius, especially not behind its fittings
- Hose lengths must be protected against exterior mechanical- thermal- or chemical affection.
- When required inspect and check electrical resistance of the hose lengths.

#### 5. Registration of procedure of instructions meeting regular education of employees. Readiness and use of appropriate personal safety equipments.

- To operate hose-lengths safely it is necessary to implement technical, personal and organisational measures for protection. Preference must be given to the technical and organisational measures. Should these not avoid all dangers, effective personal safety equipment must be provided and used.

#### 6. Regular inspections.

- Visual inspection of the hose:  
sufficiently cleaned before inspection  
kinks, bruises, deformations  
chemical porosity or mechanical damage to inner tube and/or cover  
damage, deformation or corrosion to the fittings  
damage, deformation or missing of seals and washers. •Pressure test, leak proof tests:

pores, leaks, kinks, bruises, blisters, deformations  
unacceptable elongation, overextended torsion  
leakage in hose-connection or fitting(s)  
- Inspection of electrical conductivity.  
- Testing results must be documented.

Quelle: BG Chemie Merkblatt T002