

E-FLOW High-pressure cleaning hose in PE/ PUR
Size 12.5 ID x 18.5 AD

1. Scope

This Technical Delivery Specification is essence of contract and applies the high-pressure cleaning hose, size 12.5 x 18.5 d.

2. Designation

High pressure cleaning hose DN 12 in PE / PUR.

3. Material / material properties

Inner hose: PE (polyethylene)

Sheathing: PUR (polyurethane, with microbe stabilisation, perforated)

		Internal hose	Sheathing
Tear strength	DIN 53455	> 18 N/mm ²	> 18 N/mm ²
Elongation at break	DIN 53455	> 280 %	> 380 %
Hardness, Shore A	DIN 53505	A 95 ± 3	A 90 ± 3

Operating temperature range: -20°C to +60°C

4. Pressure reinforcement / burst pressure / length change

The internal hose is braided with a technically correct diagonal reinforcement made of high-strength polyester.

Burst pressure at 23°C: > 270 bar / > 27 MPa

admissible length change at 90 bar: ± 1,5 %

(Test performance according to DIN EN ISO 1402)

5. Dimensions / tolerances / bending radius (mm)

Nominalvalue:

12.5 ID x 18.5 AD (internal Ø x external Ø)

Tolerance range:

Internal Ø: 12.20 – 12.80

External Ø: 18.20 – 18.80

Wall thickness eccentricity: 0.40 max.

Min. admissible bending radius: ≥120 mm at 20°C

6. Colour

Inner hose: white

Textile fabric:	raw white
Reinforcement:	black
Printing:	white

Deviating colours on request.

7. Overall design and hose printing

Deviating design following agreement.

8. Make-up / packaging

600 m on one-way timber coil

Disk Ø:	1000 mm
Core Ø:	470 mm
Coiling width:	400 mm
Spool overall width:	420 mm
Seat bore:	82 mm

Any partial lengths > 30 m are connected with adhesive strip in a clearly visible way (per partial length separate label with indication of length).
Several timber spools on pallet, shrink foil.

Other make-up/packaging types upon request.

9. Special features

The textile fabric is chemically bonded to the inner hose, the smooth sheathing is perforated.

10. RoHS-REACH conformity

The high pressure hose meets the requirements of guideline RoHS 2011/65/EU. The high pressure hose does not contain any SVHC according to attachment XIV of the REACH regulation (EG) no.1907/2006 and ECHA candidate list.

11. Production control

Production of the high pressure hose assembly is subject to constant visual, dimensional and functional control. In order to ensure the desired pressure readings, as agreed, one hose sample is taken once every approx. 3.000 m production quantity to determine the bursting pressure.

Material will only be supplied, if all test criteria have been met.

The quality control does not include any inspection of the quality of the hose fittings and the hose assembly. This quality inspection will be the sole responsibility of the manufacturer of the assembly (hose equipped with fittings).