

## Conductive PTFE hose with para-aramid braiding

Our conductive PTFE hose with para-aramid braiding is a convoluted, conductive PTFE hose with an abrasion-resistant, non-metallic braiding.

The hose liner consists of seamless extruded PTFE with an electrically conductive design. The para-aramid braiding with carbon fibre makes the hose universally deployable, very flexible and light. And there is no risk of injury caused by protruding metal strands.

### **PTFE hose type NFN-A**

Our conductive PTFE hose with para-aramid braiding offers high compressive strength and high chemical resistance against all media (pH 0-14), except molten or dissolved alkali metals and elemental fluorine.

The PTFE hose type NFN-A is suitable for use in potentially explosive atmospheres (EX zone 0). Accordingly, our conductive PTFE hose with para-aramid braiding is frequently used as a suction or pressure hose in chemical, pharmaceutical or food plants.

We can offer a variety of fittings and materials for all our PTFE hoses and are pleased to respond flexibly to customer requests. In addition, smooth ends and flared or lined fittings are also possible with our PTFE hoses. Complete traceability of our hoses is ensured by the serial number on the crimp collar.

# Technical specifications

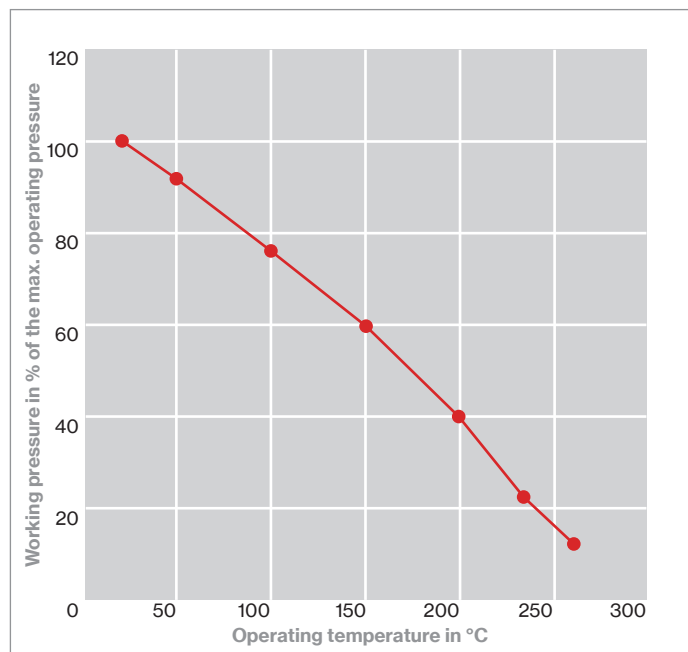
## PTFE hose type NFN-A

DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
12	½	11.6 – 13.6	23.4	50	0.13	50
20	¾	19.5 – 20.5	29.9	60	0.34	55
25	1	24.5 – 25.5	40.7	40	0.46	85
32	1¼	31.5 – 32.5	48.6	40	0.57	100
40	1½	36.5 – 37.5	52.4	40	0.71	120
50	2	49.5 – 50.5	69.2	25	1.15	165
65	2½	62.5 – 63.5	91.6	16	2.14	230
80	3	73.5 – 74.5	102.2	14	3.31	260

DN 10 and DN 100 on request.

\*All values are stated for a temperature of 20 °C.

## p-T diagram



## Structure

Core	Electrically conductive PTFE
Cover	N/A
Braiding	Para-aramids with conductiv fibers mesh
Fittings	Crimped or flared
Inserts	N/A
Temperature	-70 °C / +260 °C
Vacuum	At 20 °C: 126.25 mbar absolute
Max. length	10 m, longer lengths on request
Standard/ approval	FDA 21 CFR 177.1550, FDA 21 CFR 178.3297, USP XXXVI Class VI, EC 1935/2004, free of TSE & BSE

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