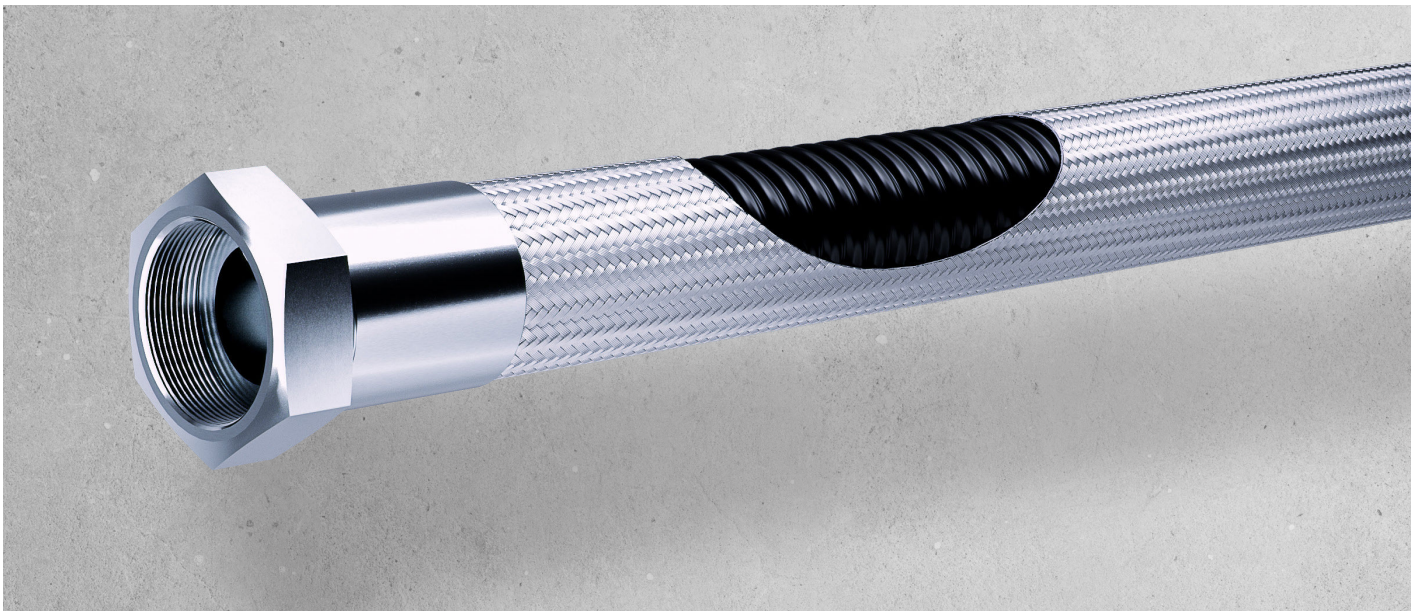
neotecha®
thinking forward
in industrial hoses



PTFE convoluted hose with stainless steel braiding

Our conductive PTFE hose type ECB-A is a hose with stainless steel braiding.

The anti-adhesive convoluted hose is weatherproof, resistant to aging, corrosion, vibration as well to UV. It also offers high pressure and temperature resistance and good mechanical properties.

PTFE hose type ECB-A

Our convoluted hose type ECB-A is manufactured within strict tolerances. The flat, round, helix convolutions ensure a clean media flow, promote easy self-cleaning, and allow for maximum flexibility within a minimal kink radius. The hose line consists of seamlessly extruded PTFE with an electrically conductive design; this makes the hose suitable for use in areas with a risk of explosion (EX zone 0). To create a permanent pressure-tight connection, the convoluted hose is hydraulically press-fitted with the hose fittings.

Our conductive convoluted PTFE hose with its stainless steel braiding is used in applications that require outstanding heat resistance. In addition, the hose is very flexible and offers high resistance to solvents and other chemical substances.

We can offer a variety of fittings and materials for all our PTFE hoses and are pleased to respond flexibly to customer requests. Complete traceability is ensured by the serial number on the crimp collar.

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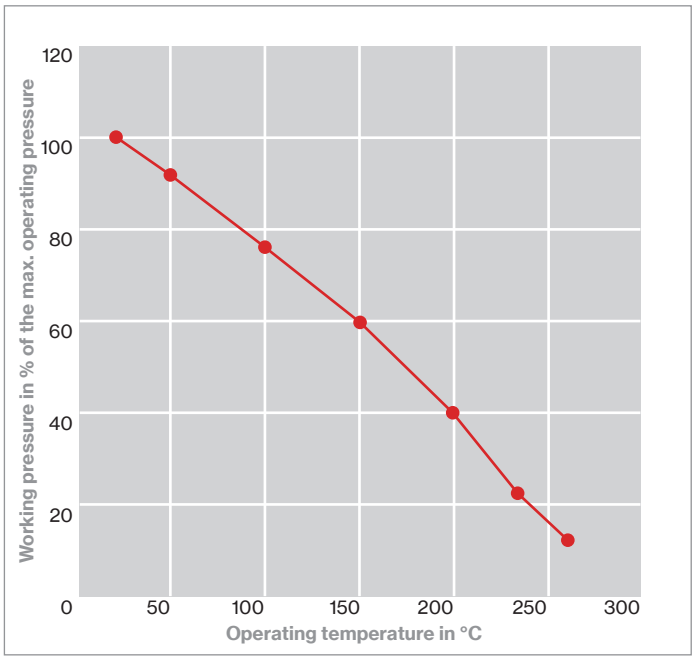
Technical specifications

PTFE hose type ECB-A

DN mm	DN inch	Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
6	¼	6.1 – 6.7	9.9	172	0.14	18
8	5/16	7.9 – 8.5	12.9	138	0.16	25
10	⅜	9.5 – 10.2	14.5	138	0.15	25
12	½	12.45 – 13.08	19.2	103	0.25	25
16	⅝	15.7 – 16.38	24.0	83	0.31	51
20	¾	19.0 – 19.65	27.0	69	0.38	64
25	1	25.5 – 26.16	36.1	46	0.55	89

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

p-T diagram



Structure

Core	Electrically conductive PTFE
Cover	N/A
Braiding	Stainless steel wire braiding
Fittings	Crimped
Inserts	N/A
Temperature	-70 °C / +260 °C
Vacuum	N/A
Max. length	10 m, longer lengths on request
Standard/ approval	FDA 21 CFR 177.1550, FDA 21 CFR 178.3297, USP XXXVI Class VI, free of TSE & BSE, EC 1935/2004

DS-101-01

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All around convincing.