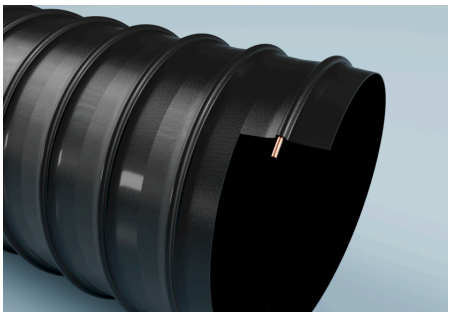
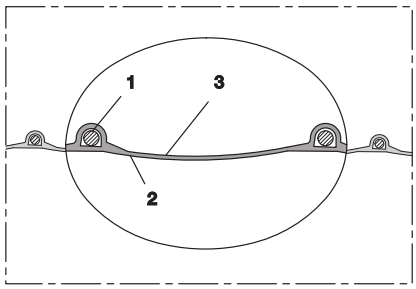
PROTAPE© PE 322 EC (XLD)

SKU: 3221003

Highly flexible suction and pressure hose, electrically conductive and extremely resistant to chemicals, ideal for extracting gases, dusts and vapours in the chemical industry and mining.







Technical specifications

Compressibility

- highly flexible + compressible

Medium

- Gas, Dust

Areas of application

Applications

- Waste gas exhaust, Extraction arms, Extraction units, Aluminium smelters, Coating systems, Extraction of chemical vapours, Extractor hood, Dedusting systems, Spray mist extraction, Filter systems, Vapour return hose, Granulate dryer, Explosion hazard areas, Biogas, Venting, Paints and coatings, Gas transport, Sewage treatment works, Cooling air, Solvent-containing vapours, Ventilation, Ventilation systems, Engine exhaust gases, Pneumatic conveying systems, Powder application in offset printing machines, Dust extraction, Drying, Extraction

Industries

- Chemical industry
- Agricultural industry
- Construction industry
- Energy industry
- Process engineering
- Environmental and cleaning technology
- Extraction and filtration technology industry
- Renewable energy industry
- Surface technology
- Waste and recycling industry
- Pneumatic and hydraulic industry
- Heating, ventilation, air conditioning and refrigeration (HVAC) industry
- Mining industry

Pressure and temperature

Temperature normal range (min/max)

- -35 °C – 80 °C

Electrical properties

Electrical contact resistance

- electrically conductive < 10^3 Ω

Material and colour

Colour

- black

Colour of outer coating

- black

Material

- Polyethylene

Material spiral

- Spring steel

Durability and standards

Durability inner tube core

- Alkali resistance, Acid resistance, Chemical resistance

Standards

- REACH (EG 1907/2006)
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- a01jf9z94tced485v4negd55vny
- RoHS

Durability outer cover

- Alkali resistance, Chemical resistance, Acids

All information in this technical data sheet has been carefully checked; however, no warranty or liability can be accepted for the accuracy, completeness or up-to-dateness of the information provided. Positive pressure and vacuum are operating limit values at 20 °C. The bending radius is measured on the inside of the hose bend. Subject to technical changes.

PROTAPE© PE 322 EC (XLD)

SKU: 3221003

Inner diameter [mm]	Outer diameter [mm]	Working pressure at 20°C [bar]	Vacuum [bar]	Total wall thickness [mm]	Bending radius [mm]	Max. production length [m]	Weight [kg]	Spiral pitch [mm]	Article Number
40	45	0.47	0.28	0.3	27	20	0.12	15	32200401003
50.5	55.5	0.38	0.24	0.3	33	20	0.16	20	32200501003
60	67	0.315	0.19	0.3	38	20	0.2	20	32200601003
70	78	0.255	0.14	0.3	44	20	0.23	20	32200701003
75.6	83.6	0.255	0.13	0.3	46	20	0.26	20	32200751003
80	87	0.24	0.12	0.3	48	20	0.26	20	32200801003
90	98	0.21	0.1	0.3	53	20	0.29	20	32200901003
95	103	0.19	0.08	0.3	56	20	0.31	20	32200951003
101.5	108.5	0.19	0.08	0.3	58	20	0.33	25	32201001003
110	118	0.175	0.075	0.3	63	20	0.36	25	32201101003
120	128	0.16	0.07	0.3	68	20	0.39	25	32201201003
126.5	133.5	0.155	0.055	0.3	71	20	0.41	25	32201251003
140	147	0.135	0.05	0.3	78	20	0.45	25	32201401003
151.5	158.5	0.125	0.05	0.3	83	15	0.48	25	32201501003
160	167	0.12	0.045	0.3	88	15	0.51	25	32201601003
180	188	0.105	0.035	0.3	98	15	0.57	25	32201801003
202.3	209.3	0.095	0.035	0.3	108	15	0.73	25	32202001003
250	258	0.075	0.015	0.3	133	15	0.99	25	32202501003
300	309	0.065	0.01	0.3	159	10	1.36	25	32203001003

All information in this technical data sheet has been carefully checked; however, no warranty or liability can be accepted for the accuracy, completeness or up-to-dateness of the information provided. Positive pressure and vacuum are operating limit values at 20 °C. The bending radius is measured on the inside of the hose bend. Subject to technical changes.