



Electrically conductive polyethylene hose, light

### Application

- flexible hose/ ducting for gases and for dust, powder, fibres
- extraction arm
- galvanic extraction
- chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction

### Properties

- light weight
- highly flexible + compressible

- highly flexible + compressible
- good resistance to alkalis and acids
- extremely good resistance to chemicals
- electrically conductive wall: electrical and surface resistance  $<10^3\Omega$  (according to NFPA 652  $<10^6\Omega$ )
- 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)
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

### Temperature Range

- 35°C to 80°C

### Design

- spring steel wire spiral embedded in wall
- patented PROTAPE® tape hose
- wall: electrically conductive polyethylene (PE)
- wall thickness 0,3mm

### Delivery variants

- further diameters and lengths available on request
- black (standard)
- customer-specific branding

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
- / 40	47.00	0,470	0,280	27.00	0.15	10	322-0040-1003
2 / 50-51	58.00	0,380	0,240	33.00	0.18	10	322-0050-1003
2,36 / 60	68.00	0,315	0,190	38.00	0.21	10	322-0060-1003
3 / 75-76	83.00	0,255	0,130	46.00	0.26	10	322-0075-1003
- / 80	88.00	0,240	0,120	48.00	0.29	10	322-0080-1003
3,5 / 89-90	98.00	0,210	0,100	53.00	0.31	10	322-0090-1003
4 / 100-102	108.00	0,190	0,080	58.00	0.37	10	322-0100-1003
- / 110	118.00	0,175	0,075	63.00	0.40	10	322-0110-1003
4,72 / 120	128.00	0,160	0,070	68.00	0.44	10	322-0120-1003
5 / 125-127	133.00	0,155	0,055	71.00	0.47	10	322-0125-1003
5,5 / 140	148.00	0,135	0,050	78.00	0.52	10	322-0140-1003
6 / 150-152	158.00	0,125	0,050	83.00	0.55	10	322-0150-1003
6,3 / 160	168.00	0,120	0,045	88.00	0.58	10	322-0160-1003
7 / 178-180	188.00	0,105	0,035	98.00	0.67	10	322-0180-1003
8 / 200-203	208.00	0,095	0,035	108.00	0.73	10	322-0200-1003
- / 250	258.00	0,075	0,015	133.00	0.99	10	322-0250-1003
- / 300	309.00	0,065	0,010	159.00	1.25	10	322-0300-1003

Accessories



CONNECT 270-271



CLAMP 213



CONNECT 223



CONNECT 228



CLAMP 212



CLAMP 217