

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
- ♦ 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

- ♦ patented PROTAPE® tape hose
- ♦ spring steel wire integrated in wall
- ♦ 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	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(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

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx.

Accessories



CONNECT 223



CLAMP 217



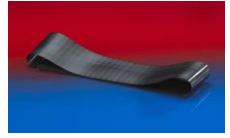
CONNECT 270-271



CLAMP 212



CLAMP 213



CONNECT 228