

Electrically conductive polyurethane hose, super-heavy

Application

- hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- silos and tankers: silo charging, silo discharging

Properties

- super-heavy duty
- extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch

- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- 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)
- according to DIN 26057 Type 4
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- -40°C to 90°C

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: electrically conductive premium ester-polyurethane (Pre-PUR®)
- wall thickness 2,0 to 2,5 mm approx.
- reinforcement of the primary abrasion areas

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)	
1,5 / 38	49.00	3,810	1,000	104.00	0.79	10 15	356-0038-1003
- / 40	51.00	3,635	1,000	109.00	0.82	10 15	356-0040-1003
- / 50	61.00	2,950	1,000	134.00	1.00	10 15	356-0050-1003
2 / 50-51	62.00	2,800	1,000	134.00	1.01	10 15	356-0051-1003
2,36 / 60	71.00	2,485	1,000	156.00	1.18	10 15	356-0060-1003
2,5 / 63-65	74.00	2,395	1,000	163.00	1.24	10 15	356-0063-1003
- / 65	76.00	2,305	1,000	169.00	1.27	10 15	356-0065-1003
- / 70	82.00	2,145	1,000	186.00	1.37	10 15	356-0070-1003
- / 75	87.00	2,010	1,000	195.00	1.46	10 15	356-0075-1003
3 / 76	88.00	1,995	1,000	195.00	1.48	10 15	356-0076-1003
- / 80	92.00	1,890	1,000	205.00	1.55	10 15	356-0080-1003
- / 100	113.00	1,685	1,000	272.00	2.27	10 15	356-0100-1003
4 / 102	115.00	1,655	1,000	272.00	2.31	10 15	356-0102-1003

Accessories



CONNECT 246 AS



CONNECT THREAD FITTING 234



CONNECT 240 + 241 AS



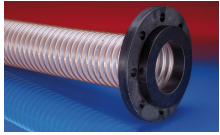
CLAMP 216



CLAMP 211



CONNECT MOULD ASSEMBLY 233



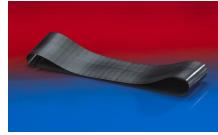
CONNECT 244



CONNECT 245



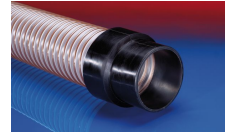
CONNECT 243



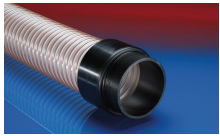
CONNECT 228



CONNECT PRESS ASSEMBLY 232



CONNECT 240 EC



CONNECT 242



CONNECT SAFETY CLAMP ASSEMBLY 231