

Electrically conductive polyurethane hose, heavy

Application

- flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings

Properties

- heavy duty
- increased pressure and vacuum resistance

- highly abrasion resistant
- very good low temperature flexibility
- good resistance to oil, gasoline and 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)
- according to DIN 26057 Type 3
- 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 1,4 - 1,5 mm approx.

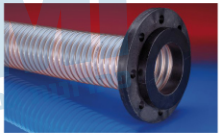
Delivery variants

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

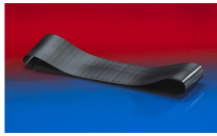
| I.D. (in / mm) | outer Ø (mm) | Pressure DIN 26057 (50% Elongation) (bar) | Vacuum DIN 26057 (axially fixed) (bar) | Bending Radius (mm) | Weight (kg/m) | Dimensions in Stock (m) | Production Lengths (m) | Order No. |
|-------------------|-----------------|---|---|---------------------------|------------------|-------------------------------|------------------------------|---------------|
| 1 / 25 | 32.00 | 2,930 (4,74) | 1,000 (1,00) | 20.00 | 0.28 | 10 | 15 | 355-0025-1003 |
| - / 30 | 40.00 | 2,470 (3,99) | 1,000 (1,00) | 25.00 | 0.47 | 10 | 15 | 355-0030-1003 |
| 1,25 / 32 | 42.00 | 2,325 (3,75) | 0,950 (1,00) | 26.00 | 0.47 | - | 10 | 355-0032-1003 |
| 1,5 / 38 | 48.00 | 1,975 (3,19) | 0,915 (1,00) | 29.00 | 0.55 | 10 | - | 355-0038-1003 |
| - / 40 | 50.00 | 1,880 (3,03) | 0,905 (1,00) | 30.00 | 0.57 | 10 | 15 | 355-0040-1003 |
| 2 / 50-51 | 60.00 | 1,515 (2,45) | 0,783 (1,00) | 35.00 | 0.71 | 10 15 20 | - | 355-0050-1003 |
| - / 55 | 65.00 | 1,385 (2,23) | 0,712 (1,00) | 38.00 | 0.77 | - | 10 | 355-0055-1003 |
| 2,36 / 60 | 70.00 | 1,270 (2,05) | 0,650 (1,00) | 40.00 | 0.83 | 10 | 15 20 | 355-0060-1003 |
| 2,5 / 63-65 | 75.00 | 1,175 (1,90) | 0,603 (1,00) | 43.00 | 0.89 | - | 10 | 355-0065-1003 |
| - / 70 | 81.00 | 1,515 (2,45) | 0,513 (1,00) | 62.00 | 1.01 | 10 15 | - | 355-0070-1003 |
| 3 / 75-76 | 86.00 | 1,420 (2,29) | 0,479 (1,00) | 66.00 | 1.07 | - | 10 | 355-0075-1003 |
| - / 80 | 91.00 | 1,335 (2,15) | 0,451 (1,00) | 69.00 | 1.14 | 10 | - | 355-0080-1003 |
| 4 / 100 | 111.00 | 1,075 (1,73) | 0,370 (0,94) | 83.00 | 1.41 | 10 15 | - | 355-0100-1003 |
| - / 110 | 121.00 | 0,980 (1,58) | 0,320 (0,77) | 90.00 | 1.54 | 10 | - | 355-0110-1003 |
| 4,5 / 114-115 | 126.00 | 0,935 (1,51) | 0,323 (0,70) | 94.00 | 1.61 | - | 10 15 | 355-0115-1003 |
| 5 / 125-127 | 136.00 | 0,865 (1,39) | 0,290 (0,57) | 101.00 | 1.74 | - | 10 | 355-0125-1003 |
| 8 / 200 | 212.00 | 0,505 (0,81) | 0,142 (0,34) | 155.00 | 2.85 | - | 10 | 355-0200-1003 |
| - / 300 | 313.00 | 0,340 (0,54) | 0,085 (0,19) | 226.00 | 4.32 | - | 10 | 355-0300-1003 |

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. data. Additional information at www.norres.com/en/technology/.

Accessories



CONNECT 244



CONNECT 228



CONNECT 270-271



CLAMP 212 EC



CONNECT THREAD FITTING 234



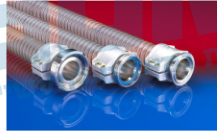
CONNECT PRESS ASSEMBLY 232



CLAMP 213



CONNECT MOULD ASSEMBLY 233



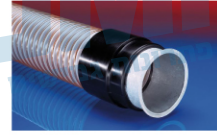
CONNECT SAFETY CLAMP ASSEMBLY 231



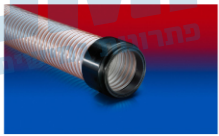
CLAMP 217



CLAMP 216



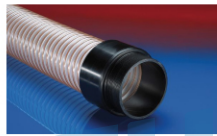
CONNECT 243



CONNECT 245



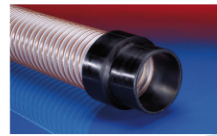
CONNECT 246 AS



CONNECT 242



CONNECT 223



CONNECT 240 EC



CONNECT 240 + 241 AS



CLAMP 212