



## Electrically conductive polyethylene hose, light weight

### Applications

- flexible hose/ ducting for gases and for dust, powder, fibers
- extraction arm
- galvanic extraction
- chemical industry: chemical vapors, vapor 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

- 30°F to 175°F

### Design

- PROTAPE® tape hose
- spring steel wire integrated in wall
- wall: electrically conductive polyethylene (PE)
- wall thickness 0.012 inch

### 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)   | (in)    | (psi)    | (inHG) | (in)           | (lb/ft) | (ft)                | (ft)               |               |
| - / 40      | 1.850   | 6.817    | 8.268  | 1.063          | 0.101   | -                   | 25                 | 322-0040-1003 |
| 2 / 50-51   | 2.283   | 5.512    | 7.087  | 1.299          | 0.121   | 25                  | -                  | 322-0050-1003 |
| 2,36 / 60   | 2.677   | 4.569    | 5.611  | 1.496          | 0.141   | -                   | 25                 | 322-0060-1003 |
| 3 / 75-76   | 3.268   | 3.699    | 3.839  | 1.811          | 0.175   | 25                  | -                  | 322-0075-1003 |
| - / 80      | 3.465   | 3.481    | 3.544  | 1.890          | 0.195   | -                   | 25                 | 322-0080-1003 |
| 3,5 / 89-90 | 3.858   | 3.046    | 2.953  | 2.087          | 0.208   | 25                  | -                  | 322-0090-1003 |
| 4 / 100-102 | 4.252   | 2.756    | 2.362  | 2.283          | 0.249   | 25                  | -                  | 322-0100-1003 |
| - / 110     | 4.646   | 2.538    | 2.215  | 2.480          | 0.269   | -                   | 25                 | 322-0110-1003 |
| 4,72 / 120  | 5.039   | 2.321    | 2.067  | 2.677          | 0.296   | -                   | 25                 | 322-0120-1003 |
| 5 / 125-127 | 5.236   | 2.248    | 1.624  | 2.795          | 0.316   | 25                  | -                  | 322-0125-1003 |
| 5,5 / 140   | 5.827   | 1.958    | 1.477  | 3.071          | 0.349   | 25                  | -                  | 322-0140-1003 |
| 6 / 150-152 | 6.220   | 1.813    | 1.477  | 3.268          | 0.370   | 25                  | -                  | 322-0150-1003 |
| 6,3 / 160   | 6.614   | 1.740    | 1.329  | 3.465          | 0.390   | -                   | 25                 | 322-0160-1003 |
| 7 / 178-180 | 7.402   | 1.523    | 1.034  | 3.858          | 0.450   | 25                  | -                  | 322-0180-1003 |
| 8 / 200-203 | 8.189   | 1.378    | 1.034  | 4.252          | 0.491   | 25                  | -                  | 322-0200-1003 |
| - / 250     | 10.157  | 1.088    | 0.443  | 5.236          | 0.665   | -                   | 25                 | 322-0250-1003 |

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at [www.norres.com/us/technology/](http://www.norres.com/us/technology/). NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68°F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

## Accessories



CLAMP 217



CONNECT 223



CONNECT 228



CLAMP 213



CONNECT 270-271



CLAMP 212