

# FLEXADUX® P 3 PU EL

Medium weight and flexible spiral hose made of Polyurethane, electrically conductive

- Applications** conveying of abrasive media, conveying technology, extraction systems, rail vehicles
- Structure** TPU / Polyether-Polyurethane, black / jet black (similar RAL 9005), opaque, steel wire / spring steel wire / coated / PVC
- Temperature** -40°C up to 90°C
- Properties** good flexibility, electrically conductive ( $R \leq 10^3 \text{ Ohm}$ ), very good abrasion resistance, good tensile strength, hydrolysis- & microbe resistance
- Norms** TRBS 2153/TRGS 727, ATEX 2014/34/EU / aspiration (no zone or inside: zone 22), ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22)



**made  
in  
Germany**

| Inner Diameter<br>(mm) | Outer Diameter<br>(mm) | Wall Thickness<br>(mm) | Bending Radius<br>(mm) | Max. Operating Pressure<br>(bar) | Vacuum Max.<br>(bar) | Total Weight per Piece<br>(kg) | Length<br>(m) | Article Number       |
|------------------------|------------------------|------------------------|------------------------|----------------------------------|----------------------|--------------------------------|---------------|----------------------|
| 25                     | 30                     | 0,80                   | 38                     | 2,50                             | 0,80                 | 2,94                           | 15            | 35905025-1500-000-99 |
| 25                     | 30                     | 0,80                   | 38                     | 2,50                             | 0,80                 | 1,96                           | 10            | 35905025-1000-000-99 |
| 30                     | 35                     | 0,80                   | 45                     | 2,40                             | 0,80                 | 2,32                           | 10            | 35905030-1000-000-99 |
| 30                     | 35                     | 0,80                   | 45                     | 2,40                             | 0,80                 | 3,47                           | 15            | 35905030-1500-000-99 |
| 32                     | 37                     | 0,80                   | 48                     | 2,40                             | 0,75                 | 2,46                           | 10            | 35905032-1000-000-99 |
| 32                     | 37                     | 0,80                   | 48                     | 2,40                             | 0,75                 | 3,69                           | 15            | 35905032-1500-000-99 |
| 40                     | 47                     | 0,80                   | 60                     | 2,10                             | 0,60                 | 3,92                           | 10            | 35905040-1000-000-99 |
| 40                     | 47                     | 0,80                   | 60                     | 2,10                             | 0,60                 | 5,88                           | 15            | 35905040-1500-000-99 |
| 51                     | 58                     | 0,80                   | 77                     | 1,70                             | 0,38                 | 0,00                           | 15            | 35905051-1500-000-99 |
| 51                     | 58                     | 0,80                   | 77                     | 1,70                             | 0,38                 | 0,00                           | 10            | 35905051-1000-000-99 |
| 60                     | 67                     | 0,80                   | 90                     | 1,60                             | 0,35                 | 5,77                           | 10            | 35905060-1000-000-99 |
| 60                     | 67                     | 0,80                   | 90                     | 1,60                             | 0,35                 | 8,66                           | 15            | 35905060-1500-000-99 |
| 65                     | 72                     | 0,80                   | 98                     | 1,45                             | 0,32                 | 6,23                           | 10            | 35905065-1000-000-99 |
| 65                     | 72                     | 0,80                   | 98                     | 1,45                             | 0,32                 | 9,35                           | 15            | 35905065-1500-000-99 |
| 70                     | 77                     | 0,80                   | 105                    | 1,30                             | 0,30                 | 6,69                           | 10            | 35905070-1000-000-99 |
| 70                     | 77                     | 0,80                   | 105                    | 1,30                             | 0,30                 | 10,04                          | 15            | 35905070-1500-000-99 |
| 76                     | 83                     | 0,80                   | 114                    | 1,20                             | 0,30                 | 7,25                           | 10            | 35905076-1000-000-99 |
| 76                     | 83                     | 0,80                   | 114                    | 1,20                             | 0,30                 | 10,87                          | 15            | 35905076-1500-000-99 |
| 80                     | 87                     | 0,80                   | 120                    | 1,20                             | 0,30                 | 7,62                           | 10            | 35905080-1000-000-99 |
| 80                     | 87                     | 0,80                   | 120                    | 1,20                             | 0,30                 | 11,43                          | 15            | 35905080-1500-000-99 |

| Inner Diameter<br>(mm) | Outer Diameter<br>(mm) | Wall Thickness<br>(mm) | Bending Radius<br>(mm) | Max. Operating Pressure<br>(bar) | Vacuum Max.<br>(bar) | Total Weight per Piece<br>(kg) | Length<br>(m) | Article Number       |
|------------------------|------------------------|------------------------|------------------------|----------------------------------|----------------------|--------------------------------|---------------|----------------------|
| 90                     | 97                     | 0,80                   | 135                    | 1,10                             | 0,28                 | 0,00                           | 10            | 35905090-1000-000-99 |
| 90                     | 97                     | 0,80                   | 135                    | 1,10                             | 0,28                 | 0,00                           | 15            | 35905090-1500-000-99 |
| 102                    | 110                    | 1,00                   | 153                    | 1,00                             | 0,25                 | 10,47                          | 10            | 35905102-1000-000-99 |
| 102                    | 110                    | 1,00                   | 153                    | 1,00                             | 0,25                 | 15,71                          | 15            | 35905102-1500-000-99 |
| 150                    | 159                    | 1,00                   | 225                    | 0,50                             | 0,18                 | 15,75                          | 10            | 35905150-1000-000-99 |
| 150                    | 159                    | 1,00                   | 225                    | 0,50                             | 0,18                 | 23,63                          | 15            | 35905150-1500-000-99 |
| 152                    | 161                    | 1,00                   | 227                    | 0,50                             | 0,18                 | 0,00                           | 10            | 35905152-1000-000-99 |
| 152                    | 161                    | 1,00                   | 227                    | 0,50                             | 0,18                 | 0,00                           | 15            | 35905152-1500-000-99 |
| 160                    | 169                    | 1,00                   | 240                    | 0,40                             | 0,16                 | 16,76                          | 10            | 35905160-1000-000-99 |
| 160                    | 169                    | 1,00                   | 240                    | 0,40                             | 0,16                 | 25,14                          | 15            | 35905160-1500-000-99 |
| 180                    | 189                    | 1,00                   | 270                    | 0,30                             | 0,15                 | 18,78                          | 10            | 35905180-1000-000-99 |
| 180                    | 189                    | 1,00                   | 270                    | 0,30                             | 0,15                 | 28,17                          | 15            | 35905180-1500-000-99 |
| 200                    | 209                    | 1,00                   | 315                    | 0,25                             | 0,13                 | 20,80                          | 10            | 35905200-1000-000-99 |
| 200                    | 209                    | 1,00                   | 315                    | 0,25                             | 0,13                 | 31,20                          | 15            | 35905200-1500-000-99 |
| 250                    | 263                    | 1,00                   | 375                    | 0,20                             | 0,12                 | 30,87                          | 10            | 35905250-1000-000-99 |