

FLEXADUX® P 3 PU EL

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

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|---------------------|---|
| 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 resistant |
| 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) |



| Inner Diameter (mm) | Outer Diameter (mm) | Wall Thickness (mm) | Bending Radius (mm) | Max. Operating Pressure (bar) | Vacuum Max. (bar) | Total Weight per Piece (kg) | Length (m) | Article Number |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------------|
| 25 | 30,00 | 0,80 | 38 | 2,50 | 0,80 | 1,96 | 10 | 35905025-1000-000-99 |
| 25 | 30,00 | 0,80 | 38 | 2,50 | 0,80 | 2,94 | 15 | 35905025-1500-000-99 |
| 30 | 35,00 | 0,80 | 45 | 2,40 | 0,80 | 3,47 | 15 | 35905030-1500-000-99 |
| 30 | 35,00 | 0,80 | 45 | 2,40 | 0,80 | 2,32 | 10 | 35905030-1000-000-99 |
| 32 | 37,00 | 0,80 | 48 | 2,40 | 0,75 | 2,46 | 10 | 35905032-1000-000-99 |
| 32 | 37,00 | 0,80 | 48 | 2,40 | 0,75 | 3,69 | 15 | 35905032-1500-000-99 |
| 40 | 47,00 | 0,80 | 60 | 2,10 | 0,60 | 3,92 | 10 | 35905040-1000-000-99 |
| 40 | 47,00 | 0,80 | 60 | 2,10 | 0,60 | 5,88 | 15 | 35905040-1500-000-99 |
| 51 | 58,00 | 0,80 | 77 | 1,70 | 0,38 | 0,00 | 10 | 35905051-1000-000-99 |
| 51 | 58,00 | 0,80 | 77 | 1,70 | 0,38 | 0,00 | 15 | 35905051-1500-000-99 |
| 60 | 67,00 | 0,80 | 90 | 1,60 | 0,35 | 5,77 | 10 | 35905060-1000-000-99 |
| 60 | 67,00 | 0,80 | 90 | 1,60 | 0,35 | 8,66 | 15 | 35905060-1500-000-99 |
| 65 | 72,00 | 0,80 | 98 | 1,45 | 0,32 | 6,23 | 10 | 35905065-1000-000-99 |
| 65 | 72,00 | 0,80 | 98 | 1,45 | 0,32 | 9,35 | 15 | 35905065-1500-000-99 |
| 70 | 77,00 | 0,80 | 105 | 1,30 | 0,30 | 6,69 | 10 | 35905070-1000-000-99 |
| 70 | 77,00 | 0,80 | 105 | 1,30 | 0,30 | 10,04 | 15 | 35905070-1500-000-99 |
| 76 | 83,00 | 0,80 | 114 | 1,20 | 0,30 | 7,25 | 10 | 35905076-1000-000-99 |
| 76 | 83,00 | 0,80 | 114 | 1,20 | 0,30 | 10,87 | 15 | 35905076-1500-000-99 |
| 80 | 87,00 | 0,80 | 120 | 1,20 | 0,30 | 11,43 | 15 | 35905080-1500-000-99 |
| 80 | 87,00 | 0,80 | 120 | 1,20 | 0,30 | 7,62 | 10 | 35905080-1000-000-99 |
| 90 | 97,00 | 0,80 | 135 | 1,10 | 0,28 | 0,00 | 10 | 35905090-1000-000-99 |
| 90 | 97,00 | 0,80 | 135 | 1,10 | 0,28 | 0,00 | 15 | 35905090-1500-000-99 |

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|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------------|
| 102 | 110,00 | 1,00 | 153 | 1,00 | 0,25 | 10,47 | 10 | 35905102-1000-000-99 |
| 102 | 110,00 | 1,00 | 153 | 1,00 | 0,25 | 15,71 | 15 | 35905102-1500-000-99 |
| 152 | 161,00 | 1,00 | 227 | 0,50 | 0,18 | 0,00 | 10 | 35905152-1000-000-99 |
| 152 | 161,00 | 1,00 | 227 | 0,50 | 0,18 | 0,00 | 15 | 35905152-1500-000-99 |
| 160 | 169,00 | 1,00 | 240 | 0,40 | 0,16 | 16,76 | 10 | 35905160-1000-000-99 |
| 160 | 169,00 | 1,00 | 240 | 0,40 | 0,16 | 25,14 | 15 | 35905160-1500-000-99 |
| 180 | 189,00 | 1,00 | 270 | 0,30 | 0,15 | 18,78 | 10 | 35905180-1000-000-99 |
| 180 | 189,00 | 1,00 | 270 | 0,30 | 0,15 | 28,17 | 15 | 35905180-1500-000-99 |
| 200 | 209,00 | 1,00 | 315 | 0,25 | 0,13 | 20,80 | 10 | 35905200-1000-000-99 |
| 200 | 209,00 | 1,00 | 315 | 0,25 | 0,13 | 31,20 | 15 | 35905200-1500-000-99 |
| 250 | 263,00 | 1,00 | 375 | 0,20 | 0,12 | 30,87 | 10 | 35905250-1000-000-99 |