

S 5 PUR M EL

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

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|---------------------|---|
| Applications | extraction systems, extractions arms, powder conveying & -coating, dust extraction, textile fiber extraction |
| 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 | very good flexibility, good abrasion resistance, electrically conductive ($R \leq 10^3 \text{ Ohm}$), good oil & petrol resistance, good ozone- & UV-resistance, 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 20 | 24,00 | 0,50 | 12 | 1,80 | 0,45 | 1,26 | 10 | ND51402000K |
| 25 | 30,00 | 0,50 | 15 | 1,70 | 0,45 | 1,79 | 10 | ND51402500K |
| 25 | 30,00 | 0,50 | 15 | 1,70 | 0,45 | 2,69 | 15 | ND51402500M |
| 32 | 37,00 | 0,50 | 19 | 1,60 | 0,42 | 2,27 | 10 | ND51403200K |
| 32 | 37,00 | 0,50 | 19 | 1,60 | 0,42 | 3,41 | 15 | ND51403200M |
| 38 | 43,00 | 0,50 | 21 | 1,55 | 0,40 | 2,68 | 10 | ND51403800K |
| 40 | 46,00 | 0,50 | 24 | 1,40 | 0,30 | 2,50 | 10 | ND51404000K |
| 40 | 46,00 | 0,50 | 24 | 1,40 | 0,30 | 3,75 | 15 | ND51404000M |
| 51 | 57,00 | 0,60 | 31 | 1,30 | 0,26 | 4,49 | 10 | ND51405100K |
| 51 | 57,00 | 0,60 | 31 | 1,30 | 0,26 | 6,74 | 15 | ND51405100M |
| 60 | 66,00 | 0,60 | 36 | 1,10 | 0,25 | 5,24 | 10 | ND51406000K |
| 60 | 66,00 | 0,60 | 36 | 1,10 | 0,25 | 7,87 | 15 | ND51406000M |
| 65 | 71,00 | 0,60 | 38 | 1,00 | 0,23 | 5,66 | 10 | ND51406500K |
| 65 | 71,00 | 0,60 | 38 | 1,00 | 0,23 | 8,49 | 15 | ND51406500M |
| 76 | 82,00 | 0,60 | 46 | 0,80 | 0,20 | 9,88 | 15 | ND51407600M |
| 76 | 82,00 | 0,60 | 46 | 0,80 | 0,20 | 6,58 | 10 | ND51407600K |
| 80 | 86,00 | 0,60 | 48 | 0,70 | 0,18 | 6,92 | 10 | ND51408000K |
| 80 | 86,00 | 0,60 | 48 | 0,70 | 0,18 | 10,38 | 15 | ND51408000M |
| 102 | 109,00 | 0,60 | 62 | 0,60 | 0,15 | 8,74 | 10 | ND51410200K |
| 102 | 109,00 | 0,60 | 62 | 0,60 | 0,15 | 13,12 | 15 | ND51410200M |
| 110 | 117,00 | 0,60 | 66 | 0,50 | 0,14 | 9,41 | 10 | ND51411000K |
| 115 | 122,00 | 0,60 | 69 | 0,48 | 0,14 | 9,83 | 10 | ND51411500K |

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|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 115 | 122,00 | 0,60 | 69 | 0,48 | 0,14 | 14,75 | 15 | ND51411500M |
| 127 | 134,00 | 0,60 | 77 | 0,40 | 0,12 | 0,00 | 10 | ND51412700K |
| 127 | 134,00 | 0,60 | 77 | 0,40 | 0,12 | 0,00 | 15 | ND51412700M |
| 140 | 147,00 | 0,60 | 84 | 0,30 | 0,12 | 17,89 | 15 | ND51414000M |
| 140 | 147,00 | 0,60 | 84 | 0,30 | 0,12 | 11,92 | 10 | ND51414000K |
| 152 | 159,00 | 0,60 | 92 | 0,25 | 0,10 | 12,93 | 10 | ND51415200K |
| 152 | 159,00 | 0,60 | 92 | 0,25 | 0,10 | 19,39 | 15 | ND51415200M |
| 160 | 167,00 | 0,60 | 96 | 0,22 | 0,10 | 14,62 | 10 | ND51416000K |
| 160 | 167,00 | 0,60 | 96 | 0,22 | 0,10 | 21,93 | 15 | ND51416000M |
| 180 | 187,00 | 0,60 | 108 | 0,20 | 0,10 | 16,41 | 10 | ND51418000K |
| 180 | 187,00 | 0,60 | 108 | 0,20 | 0,10 | 24,61 | 15 | ND51418000M |
| 200 | 207,00 | 0,60 | 120 | 0,20 | 0,09 | 18,19 | 10 | ND51420000K |
| 200 | 207,00 | 0,60 | 120 | 0,20 | 0,09 | 27,29 | 15 | ND51420000M |