

## S 5 PUR M EL

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

|                     |                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | extraction systems, extractions arms, powder conveying & -coating, dust extraction, textile fiber extraction                                                                                      |
| <b>Structure</b>    | Polyether-Polyurethane, black / jet black (similar RAL 9005), opaque, steel wire / spring steel wire / coated / PVC                                                                               |
| <b>Temperature</b>  | -40°C up to 90°C                                                                                                                                                                                  |
| <b>Properties</b>   | 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 |
| <b>Norms</b>        | 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              | 7,87                        | 15         | ND51406000M    |
| 60                  | 66,00               | 0,60                | 36                  | 1,10                          | 0,25              | 5,24                        | 10         | ND51406000K    |
| 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              | 6,58                        | 10         | ND51407600K    |
| 76                  | 82,00               | 0,60                | 46                  | 0,80                          | 0,20              | 9,88                        | 15         | ND51407600M    |
| 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              | 11,92                       | 10         | ND51414000K    |
| 140                 | 147,00              | 0,60                | 84                  | 0,30                          | 0,12              | 17,89                       | 15         | ND51414000M    |
| 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              | 24,61                       | 15         | ND51418000M    |
| 180                 | 187,00              | 0,60                | 108                 | 0,20                          | 0,10              | 16,41                       | 10         | ND51418000K    |
| 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    |