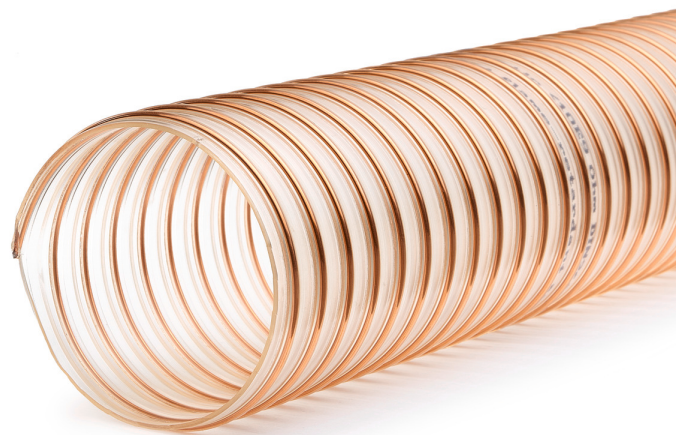


## SMARTFLEX® 1.4

Medium weight and flexible spiral hose made of Polyurethane, flame retardant

|                     |                                                                                                                                                                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | conveying of abrasive media, granulate conveying, industrial vacuum cleaners, wood dust extraction, conveying technology                                                                                                                                                                                        |
| <b>Structure</b>    | Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated                                                                                                                                                                                                                |
| <b>Temperature</b>  | -40°C up to 100°C, short term up to 125°C                                                                                                                                                                                                                                                                       |
| <b>Properties</b>   | flame-retardant, permanently antistatic ( $R < 10^9 \text{ Ohm}$ ), hydrolysis & microbe resistant, good flexibility, very smooth inside, corrugated outside                                                                                                                                                    |
| <b>Norms</b>        | flame-retardant according to DIN 4102 / B1   TRBS 2153/TRGS 727, ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22), ATEX 2014/34/EU / conveying of flammable liquids (inside: zone 0, 1, 2)   discharge capability according to BGI 739-2 with spiral earthing   DIN 26057-3 |



| 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                  | 28,00               | 1,40                | 20                  | 3,90                          | 0,90              | 3,00                        | 15         | 08800020-1500-000-00 |
| 20                  | 28,00               | 1,40                | 20                  | 3,90                          | 0,90              | 2,00                        | 10         | 08800020-1000-000-00 |
| 25                  | 33,00               | 1,40                | 25                  | 3,75                          | 0,90              | 2,41                        | 10         | 08800025-1000-000-00 |
| 25                  | 33,00               | 1,40                | 25                  | 3,75                          | 0,90              | 3,62                        | 15         | 08800025-1500-000-00 |
| 30                  | 39,00               | 1,40                | 30                  | 3,75                          | 0,90              | 3,76                        | 10         | 08800030-1000-000-00 |
| 30                  | 39,00               | 1,40                | 30                  | 3,75                          | 0,90              | 5,64                        | 15         | 08800030-1500-000-00 |
| 32                  | 41,00               | 1,40                | 32                  | 3,56                          | 0,86              | 6,13                        | 15         | 08800032-1500-000-00 |
| 32                  | 41,00               | 1,40                | 32                  | 3,56                          | 0,86              | 4,09                        | 10         | 08800032-1000-000-00 |
| 35                  | 44,00               | 1,40                | 35                  | 3,20                          | 0,80              | 4,33                        | 10         | 08800035-1000-000-00 |
| 35                  | 44,00               | 1,40                | 35                  | 3,20                          | 0,80              | 6,50                        | 15         | 08800035-1500-000-00 |
| 38                  | 47,00               | 1,40                | 38                  | 2,88                          | 0,70              | 4,67                        | 10         | 08800038-1000-000-00 |
| 38                  | 47,00               | 1,40                | 38                  | 2,88                          | 0,70              | 7,01                        | 15         | 08800038-1500-000-00 |
| 40                  | 49,00               | 1,40                | 40                  | 2,88                          | 0,70              | 4,90                        | 10         | 08800040-1000-000-00 |
| 40                  | 49,00               | 1,40                | 40                  | 2,88                          | 0,70              | 7,35                        | 15         | 08800040-1500-000-00 |
| 45                  | 54,00               | 1,40                | 45                  | 2,45                          | 0,65              | 5,47                        | 10         | 08800045-1000-000-00 |
| 45                  | 54,00               | 1,40                | 45                  | 2,45                          | 0,65              | 8,21                        | 15         | 08800045-1500-000-00 |
| 50                  | 59,00               | 1,40                | 50                  | 2,38                          | 0,60              | 6,44                        | 10         | 08800050-1000-000-00 |
| 50                  | 59,00               | 1,40                | 50                  | 2,38                          | 0,60              | 9,65                        | 15         | 08800050-1500-000-00 |
| 55                  | 64,00               | 1,40                | 55                  | 2,30                          | 0,58              | 7,04                        | 10         | 08800055-1000-000-00 |
| 55                  | 64,00               | 1,40                | 55                  | 2,30                          | 0,58              | 10,57                       | 15         | 08800055-1500-000-00 |
| 60                  | 69,00               | 1,40                | 60                  | 2,25                          | 0,55              | 7,65                        | 10         | 08800060-1000-000-00 |
| 60                  | 69,00               | 1,40                | 60                  | 2,25                          | 0,55              | 11,48                       | 15         | 08800060-1500-000-00 |

| 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       |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------------|
| 65                  | 74,00               | 1,40                | 65                  | 2,15                          | 0,55              | 8,26                        | 10         | 08800065-1000-000-00 |
| 65                  | 74,00               | 1,40                | 65                  | 2,15                          | 0,55              | 12,39                       | 15         | 08800065-1500-000-00 |
| 70                  | 79,00               | 1,40                | 70                  | 2,00                          | 0,55              | 8,87                        | 10         | 08800070-1000-000-00 |
| 70                  | 79,00               | 1,40                | 70                  | 2,00                          | 0,55              | 13,30                       | 15         | 08800070-1500-000-00 |
| 76                  | 85,00               | 1,40                | 76                  | 1,75                          | 0,50              | 9,59                        | 10         | 08800076-1000-000-00 |
| 76                  | 85,00               | 1,40                | 76                  | 1,75                          | 0,50              | 14,39                       | 15         | 08800076-1500-000-00 |
| 80                  | 89,00               | 1,40                | 80                  | 1,50                          | 0,45              | 10,08                       | 10         | 08800080-1000-000-00 |
| 80                  | 89,00               | 1,40                | 80                  | 1,50                          | 0,45              | 15,12                       | 15         | 08800080-1500-000-00 |
| 90                  | 99,00               | 1,40                | 90                  | 1,35                          | 0,40              | 11,29                       | 10         | 08800090-1000-000-00 |
| 90                  | 99,00               | 1,40                | 90                  | 1,35                          | 0,40              | 16,94                       | 15         | 08800090-1500-000-00 |
| 100                 | 110,00              | 1,40                | 100                 | 1,21                          | 0,40              | 13,51                       | 10         | 08800100-1000-000-00 |
| 100                 | 110,00              | 1,40                | 100                 | 1,21                          | 0,40              | 20,26                       | 15         | 08800100-1500-000-00 |
| 110                 | 120,00              | 1,40                | 110                 | 1,15                          | 0,38              | 15,81                       | 10         | 08800110-1000-000-00 |
| 110                 | 120,00              | 1,40                | 110                 | 1,15                          | 0,38              | 23,71                       | 15         | 08800110-1500-000-00 |
| 115                 | 125,00              | 1,40                | 115                 | 1,10                          | 0,35              | 15,46                       | 10         | 08800115-1000-000-00 |
| 115                 | 125,00              | 1,40                | 115                 | 1,10                          | 0,35              | 23,18                       | 15         | 08800115-1500-000-00 |
| 120                 | 130,00              | 1,40                | 120                 | 0,99                          | 0,30              | 16,11                       | 10         | 08800120-1000-000-00 |
| 120                 | 130,00              | 1,40                | 120                 | 0,99                          | 0,30              | 24,16                       | 15         | 08800120-1500-000-00 |
| 127                 | 137,00              | 1,40                | 127                 | 0,88                          | 0,25              | 17,01                       | 10         | 08800127-1000-000-00 |
| 127                 | 137,00              | 1,40                | 127                 | 0,88                          | 0,25              | 25,52                       | 15         | 08800127-1500-000-00 |
| 127                 | 137,00              | 1,40                | 127                 | 0,88                          | 0,25              | 34,03                       | 20         | 08800127-2000-000-00 |
| 130                 | 140,00              | 1,40                | 130                 | 0,80                          | 0,23              | 17,40                       | 10         | 08800130-1000-000-00 |
| 130                 | 140,00              | 1,40                | 130                 | 0,80                          | 0,23              | 26,11                       | 15         | 08800130-1500-000-00 |
| 140                 | 150,00              | 1,40                | 140                 | 0,77                          | 0,20              | 18,70                       | 10         | 08800140-1000-000-00 |
| 140                 | 150,00              | 1,40                | 140                 | 0,77                          | 0,20              | 28,05                       | 15         | 08800140-1500-000-00 |
| 150                 | 160,00              | 1,40                | 150                 | 0,77                          | 0,20              | 20,00                       | 10         | 08800150-1000-000-00 |
| 150                 | 160,00              | 1,40                | 150                 | 0,77                          | 0,20              | 30,00                       | 15         | 08800150-1500-000-00 |
| 160                 | 170,00              | 1,40                | 160                 | 0,66                          | 0,20              | 21,30                       | 10         | 08800160-1000-000-00 |
| 160                 | 170,00              | 1,40                | 160                 | 0,66                          | 0,20              | 31,95                       | 15         | 08800160-1500-000-00 |
| 175                 | 185,00              | 1,40                | 175                 | 0,60                          | 0,18              | 42,34                       | 15         | 08800175-1500-000-00 |
| 175                 | 185,00              | 1,40                | 175                 | 0,60                          | 0,18              | 28,23                       | 10         | 08800175-1000-000-00 |
| 180                 | 190,00              | 1,40                | 180                 | 0,55                          | 0,15              | 29,01                       | 10         | 08800180-1000-000-00 |
| 180                 | 190,00              | 1,40                | 180                 | 0,55                          | 0,15              | 43,52                       | 15         | 08800180-1500-000-00 |
| 200                 | 211,00              | 1,40                | 200                 | 0,55                          | 0,15              | 27,96                       | 10         | 08800200-1000-000-00 |
| 200                 | 211,00              | 1,40                | 200                 | 0,55                          | 0,15              | 41,93                       | 15         | 08800200-1500-000-00 |
| 215                 | 226,00              | 1,40                | 215                 | 0,45                          | 0,12              | 29,99                       | 10         | 08800215-1000-000-00 |
| 215                 | 226,00              | 1,40                | 225                 | 0,45                          | 0,12              | 44,99                       | 15         | 08800215-1500-000-00 |
| 225                 | 236,00              | 1,40                | 225                 | 0,44                          | 0,10              | 31,35                       | 10         | 08800225-1000-000-00 |
| 225                 | 236,00              | 1,40                | 225                 | 0,44                          | 0,10              | 47,02                       | 15         | 08800225-1500-000-00 |
| 250                 | 261,00              | 1,40                | 250                 | 0,38                          | 0,10              | 34,75                       | 10         | 08800250-1000-000-00 |
| 250                 | 261,00              | 1,40                | 250                 | 0,38                          | 0,10              | 52,12                       | 15         | 08800250-1500-000-00 |
| 254                 | 265,00              | 1,40                | 254                 | 0,38                          | 0,10              | 35,29                       | 10         | 08800254-1000-000-00 |
| 254                 | 265,00              | 1,40                | 254                 | 0,38                          | 0,10              | 52,94                       | 15         | 08800254-1500-000-00 |
| 275                 | 286,00              | 1,40                | 275                 | 0,35                          | 0,10              | 38,14                       | 10         | 08800275-1000-000-00 |

| 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       |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------------|
| 280                 | 291,00              | 1,40                | 280                 | 0,32                          | 0,10              | 38,82                       | 10         | 08800280-1000-000-00 |
| 300                 | 311,00              | 1,40                | 300                 | 0,30                          | 0,10              | 41,54                       | 10         | 08800300-1000-000-00 |
| 300                 | 311,00              | 1,40                | 300                 | 0,30                          | 0,10              | 62,31                       | 15         | 08800300-1500-000-00 |
| 325                 | 336,00              | 1,40                | 325                 | 0,29                          | 0,09              | 44,94                       | 10         | 08800325-1000-000-00 |
| 350                 | 361,00              | 1,40                | 350                 | 0,28                          | 0,09              | 46,07                       | 10         | 08800350-1000-000-00 |
| 350                 | 361,00              | 1,40                | 350                 | 0,28                          | 0,09              | 69,10                       | 15         | 08800350-1500-000-00 |
| 400                 | 411,00              | 1,40                | 400                 | 0,25                          | 0,09              | 91,24                       | 15         | 08800400-1500-000-00 |
| 400                 | 411,00              | 1,40                | 400                 | 0,25                          | 0,09              | 60,83                       | 10         | 08800400-1000-000-00 |
| 450                 | 461,00              | 1,40                | 450                 | 0,13                          | 0,08              | 68,34                       | 10         | 08800450-1000-000-00 |
| 500                 | 511,00              | 1,40                | 500                 | 0,10                          | 0,07              | 75,84                       | 10         | 08800500-1000-000-00 |