

Master-SIL 1

Medium & High
Temperature Hose for tem-
peratures up to +250 °C



Material

spiral: spring steel wire
cord: fibreglass fabric
wall: silicone-coated glass-fibre fabric

Applications

- Chemicals industry
- Vehicle manufacturing
- Aircraft manufacturing
- Hot air hose for granulate dryer
- Machine and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- Conveyance of air and gaseous media with high nominal and ambient temperatures

Properties

- light
- smallest bending radii
- good chemical resistance
- mostly smooth inner lining
- highly flexible
- symmetrical fold behaviour
- bend-proof
- fixed vulcanised wall and steel filament

Temperature Range

- -70°C to +250°C
- peaks -85°C to +300°C

| DN | op. pressure c. bar | vacuum c. mmWC | bend radius c. mm* | weight c. kg/m | article no.. | stock length | |
|-----|------------------------|-------------------|-----------------------|-------------------|--------------|--------------|--|
| 13 | 1,7 | 5200 | 8 | 0,1 | 685-013-0400 | 4m | |
| 19 | 1,6 | 5100 | 8 | 0,11 | 685-019-0400 | 4m | |
| 25 | 1,6 | 5100 | 8 | 0,12 | 685-025-0400 | 4m | |
| 30 | 1,4 | 5000 | 10 | 0,14 | 685-030-0400 | 4m | |
| 32 | 1,4 | 5000 | 10 | 0,14 | 685-032-0400 | 4m | |
| 35 | 1,3 | 5000 | 11 | 0,15 | 685-035-0400 | 4m | |
| 38 | 1,3 | 5000 | 12 | 0,17 | 685-038-0400 | 4m | |
| 39 | 1,3 | 5000 | 12 | 0,17 | 685-039-0400 | 4m | |
| 40 | 1,3 | 4800 | 13 | 0,2 | 685-040-0400 | 4m | |
| 41 | 1,3 | 4800 | 13 | 0,2 | 685-041-0400 | 4m | |
| 42 | 1,2 | 4600 | 14 | 0,21 | 685-042-0400 | 4m | |
| 44 | 1,2 | 4600 | 14 | 0,21 | 685-044-0400 | 4m | |
| 45 | 1,2 | 4600 | 14 | 0,21 | 685-045-0400 | 4m | |
| 50 | 1,2 | 4300 | 16 | 0,25 | 685-050-0400 | 4m | |
| 51 | 1,2 | 4300 | 16 | 0,25 | 685-051-0400 | 4m | |
| 55 | 1,1 | 4200 | 18 | 0,27 | 685-055-0400 | 4m | |
| 57 | 1,1 | 4100 | 18 | 0,28 | 685-057-0400 | 4m | |
| 60 | 1,1 | 4000 | 20 | 0,3 | 685-060-0400 | 4m | |
| 62 | 1,1 | 3900 | 21 | 0,31 | 685-062-0400 | 4m | |
| 63 | 1,1 | 3900 | 22 | 0,32 | 685-063-0400 | 4m | |
| 64 | 1,1 | 3900 | 22 | 0,32 | 685-064-0400 | 4m | |
| 65 | 1,1 | 3800 | 22 | 0,34 | 685-065-0400 | 4m | |
| 70 | 1,1 | 3600 | 24 | 0,36 | 685-070-0400 | 4m | |
| 72 | 1,1 | 3500 | 25 | 0,38 | 685-072-0400 | 4m | |
| 76 | 1,1 | 3400 | 27 | 0,41 | 685-076-0400 | 4m | |
| 80 | 1 | 3200 | 28 | 0,44 | 685-080-0400 | 4m | |
| 83 | 1 | 3100 | 28 | 0,46 | 685-083-0400 | 4m | |
| 90 | 1 | 3000 | 29 | 0,49 | 685-090-0400 | 4m | |
| 91 | 1 | 3000 | 29 | 0,49 | 685-091-0400 | 4m | |
| 95 | 0,9 | 2800 | 32 | 0,56 | 685-095-0400 | 4m | |
| 100 | 0,9 | 2600 | 35 | 0,65 | 685-100-0400 | 4m | |
| 102 | 0,9 | 2600 | 35 | 0,65 | 685-102-0400 | 4m | |
| 108 | 0,9 | 2400 | 38 | 0,68 | 685-108-0400 | 4m | |
| 110 | 0,9 | 2400 | 38 | 0,69 | 685-110-0400 | 4m | |
| 114 | 0,9 | 2200 | 40 | 0,71 | 685-114-0400 | 4m | |
| 115 | 0,9 | 2200 | 40 | 0,72 | 685-115-0400 | 4m | |
| 120 | 0,8 | 2000 | 43 | 0,76 | 685-120-0400 | 4m | |
| 125 | 0,8 | 1700 | 46 | 0,79 | 685-125-0400 | 4m | |
| 127 | 0,8 | 1700 | 46 | 0,8 | 685-127-0400 | 4m | |
| 130 | 0,8 | 1700 | 47 | 0,82 | 685-130-0400 | 4m | |
| 140 | 0,7 | 1500 | 48 | 0,9 | 685-140-0400 | 4m | |
| 150 | 0,7 | 1400 | 50 | 0,97 | 685-150-0400 | 4m | |
| 152 | 0,7 | 1400 | 51 | 0,99 | 685-152-0400 | 4m | |

All data refers to a media and ambient temperature of +20 °C
* refers to the inside of the hose

Available from stock in lengths from 4m and the above listed sizes.

Available on request in other lengths, sizes, with spiral-free sleeves or plastic spirals.

Subject to technical changes and colour deviations.

| DN | op. pressure c. bar | vacuum c. mmWC | bend radius c. mm* | weight c. kg/m | article no.. | stock length | |
|-----|------------------------|-------------------|-----------------------|-------------------|--------------|--------------|--|
| 160 | 0,6 | 1300 | 53 | 1,05 | 685-160-0400 | 4m | |
| 165 | 0,6 | 1200 | 55 | 1,08 | 685-165-0400 | 4m | |
| 180 | 0,6 | 1100 | 60 | 1,19 | 685-180-0400 | 4m | |
| 185 | 0,5 | 1000 | 62 | 1,22 | 685-185-0400 | 4m | |
| 203 | 0,5 | 700 | 68 | 1,33 | 685-203-0400 | 4m | |
| 229 | 0,4 | 580 | 84 | 1,48 | 685-229-0400 | 4m | |
| 254 | 0,4 | 400 | 102 | 1,68 | 685-254-0400 | 4m | |
| 305 | 0,2 | 200 | 123 | 2,05 | 685-305-0400 | 4m | |

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