

# Sempercold 1 SC

Compact hydraulic hose construction acc. to EN 857 1SC  
with temperature range down to -50°C / -58°F



## GENERAL

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>Tube</b>              | Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) |
| <b>Reinforcement</b>     | One braid of high tensile steel wire                                                            |
| <b>Cover</b>             | Abrasion and ozone resistant synthetic rubber                                                   |
| <b>Temperature range</b> | -50°C to 100°C / -58°F to +212°F                                                                |
| <b>Standard branding</b> | Embossed tape                                                                                   |

## TECHNICAL DETAILS

|  |      |      |  |      |  |      |  |      |  |      |  |       |  |      |  |      |
|-------------------------------------------------------------------------------------|------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|------|
| Nominal                                                                             |      |      | Internal-Ø                                                                          |      | Braid-Ø                                                                             |      | External-Ø                                                                          |      | Work. pressure [max.]                                                               |      | Min. burst pressure                                                                 |       | Bending radius [min.]                                                                 |      | Weight approx.                                                                        |      |
| mm                                                                                  | inch | dash | mm                                                                                  | inch | mm                                                                                  | inch | mm                                                                                  | inch | bar                                                                                 | psi  | bar                                                                                 | psi   | mm                                                                                    | inch | lbs/ft                                                                                | kg/m |
| 6                                                                                   | 1/4  | -4   | 6.6                                                                                 | 0.26 | 10.1                                                                                | 0.40 | 11.9                                                                                | 0.47 | 225                                                                                 | 3265 | 900                                                                                 | 13060 | 75                                                                                    | 3.0  | 0.11                                                                                  | 0.16 |
| 8                                                                                   | 5/16 | -5   | 8.3                                                                                 | 0.33 | 11.7                                                                                | 0.46 | 13.7                                                                                | 0.54 | 215                                                                                 | 3120 | 860                                                                                 | 12480 | 85                                                                                    | 3.3  | 0.13                                                                                  | 0.20 |
| 10                                                                                  | 3/8  | -6   | 9.9                                                                                 | 0.39 | 13.6                                                                                | 0.53 | 15.7                                                                                | 0.62 | 180                                                                                 | 2610 | 720                                                                                 | 10440 | 90                                                                                    | 3.5  | 0.16                                                                                  | 0.24 |
| 12                                                                                  | 1/2  | -8   | 13.0                                                                                | 0.51 | 16.6                                                                                | 0.65 | 19.4                                                                                | 0.76 | 160                                                                                 | 2320 | 640                                                                                 | 9280  | 130                                                                                   | 5.1  | 0.22                                                                                  | 0.33 |
| 16                                                                                  | 5/8  | -10  | 16.4                                                                                | 0.65 | 20.3                                                                                | 0.80 | 22.3                                                                                | 0.88 | 130                                                                                 | 1885 | 520                                                                                 | 7540  | 150                                                                                   | 5.9  | 0.26                                                                                  | 0.39 |
| 19                                                                                  | 3/4  | -12  | 19.5                                                                                | 0.77 | 24.0                                                                                | 0.94 | 26.0                                                                                | 1.02 | 105                                                                                 | 1525 | 420                                                                                 | 6100  | 180                                                                                   | 7.1  | 0.33                                                                                  | 0.49 |
| 25                                                                                  | 1    | -16  | 26.0                                                                                | 1.02 | 31.0                                                                                | 1.22 | 33.2                                                                                | 1.31 | 88                                                                                  | 1275 | 352                                                                                 | 5100  | 230                                                                                   | 9.1  | 0.48                                                                                  | 0.71 |