

DS1



Steam wire - 18/55 bar - EN ISO 6134 2A

Application:
Suitable for conveying saturated steam and hot water.

Feature:
Electrically conductive: Resistance $R < 10^6$ Ohm.

Tried and tested by the chemical industry.

Standard/approval:
EN ISO 6134:2017 Type 2, class A.

Notice:
ATTENTION: Use only suitable fittings (clamp fittings according to EN 14423:2016).

ATTENTION: Superheated steam shortens considerably the service life of the hose!

ATTENTION: Please refer to our saturated steam table.

Temperature range:
-35°C / +210°C (saturated steam), +120°C (hot water).

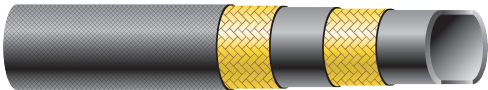
Safety factor:
Steam 10 : 1, Hot water 3,15 : 1

Tube:
EPDM, black, electrically conductive, smooth.

Reinforcement:
Zinc plated steel braided.

Cover:
EPDM, black, resistant to ozone and weather, electrically conductive, cloth impression.

Marking:
continuous mylartape, red letters:
"SEMPERIT (S) DS 1 Sattdampf / Saturated Steam WP 18 bar 210°C $R < 10^6$ Ohm MADE IN EU // // // // //",
as well as continuous embossed tape "SEMPERIT (S) DS1 EN ISO 6134:2017 2A DAMPF / STEAM - PN 18 bar (1,8 MPa) 210 °C NW .. Ω xQ/YY" (with EN dimensions).



Article number	Internal-Ø in		Wall width in mm	External-Ø in mm	Work. pressure (max.) bar		Number of inserts	Bending radius (min.) in mm	Weight approx. kg/m	Coil length (max.) m
	mm	inch			Satur. steam	Hot water				
68706 1366	13,0	1/2	6,0	25,0	18	55	2	80	0,55	60
48706 1660	16,0	5/8	6,0	28,0*	18	55	2	90	0,60	40
48706 1960	19,0	3/4	6,0	31,0*	18	55	2	110	0,70	40
48706 1970	19,0	3/4	7,0	33,0	18	55	2	110	0,85	40
48706 2575	25,0	1	7,5	40,0	18	55	2	180	1,10	40
48706 3280	32,0	1 1/4	8,0	48,0	18	55	2	250	1,55	40
48706 3880	38,0	1 1/2	8,0	54,0	18	55	2	300	1,80	40
48706 5090	50,0		9,0	68,0	18	55	2	420	2,65	40
48706 5190	50,8	2	9,0	68,8	18	55	2	420	2,65	40

Vacuum resistance up to ID 32: - 0.8 bar; up to ID 50: -0.4 bar
* No EN ISO 6134:2017 dimension

Please note: Before using our products with new or untested media, or for applications that are not clearly indicated in the product information, written advice must be obtained from a specialist dealer or a Semperit application engineer. For safety reasons, all products must be inspected regularly for operational safety and replaced in the event of any damage (especially of the cover) or unusual signs of wear and tear. All products must be stored, handled and maintained in accordance with all our respective instructions and DIN 7716:1982. The information in our catalogue as well as each individual datasheet is subject to change at any time without notice since we are constantly developing and improving our products and due to constant technical developments after the latest release date of the catalogue and/or individual datasheets. In order to always have the latest product and safety information make sure you visit our website (www.semperflex.com) regularly or contact one of our specialist dealers or a Semperit application engineer. All contracts with Semperflex are exclusively subject to our general terms and conditions (available at www.semperitgroup.com). Additional important general information about the range, choice and safe use of our products can be found at our website (www.semperflex.com) and must be followed without exception.

Important notice: Our catalogue and any individual datasheet have been prepared with great care in order to provide you with all the information you need. The information contained therein is based on the latest state-of-the-art industrial technology and many years of experience and testing; whenever indicated for a certain product, we also confirm conformity with the resistance requirements of the media listed in ISO TR 7620:2005(E). However, the individual conditions of storage, maintenance and use decisively affect the safe and durable use of each product. The quality and safety of our products as indicated in the catalogue or individual datasheets are therefore strictly subject to the continuous observance of all specifications and restrictions in our written product information and applicable laws and standards, the specifications regarding resistance to chemicals and our cleaning procedures. We reject any liability for safety issues or other consequences due to improper product choice, maintenance or handling (e.g. squashing, rupturing, stretching or filling with non-approved media). Our products must not be used in airplanes or other aerial vehicles under any circumstance. Unless specified otherwise, all hoses are manufactured according to EN ISO 1307:2008.