

# Flexline 5000









The high flexible compact hydraulic hose with reduced bend radii and bending force meets ISO 18752 – BC [2-wire braided] and ISO 18752 – CC [4-wire spiral+6-wire spiral]



## GENERAL

<b>Tube</b>	Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) and bio-degradable hydraulic fluids
<b>Reinforcement</b>	Two [2W], four [4W] or six [6W] layers of high tensile steel wire
<b>Cover</b>	Abrasion and ozone resistant synthetic rubber – accepted by MSHA Note: various covers available
<b>Temperature range</b>	-40°C to 100°C / -40°F to +212°F [2W] -40°C to 121°C / -40°F to +250°F [4W+6W]
<b>Standard branding</b>	Mylar tape
<b>Note</b>	Impulse tested up to 500.000 cycles [tested acc. to ISO6803:2017]

## TECHNICAL DETAILS

																	
Nominal			Reinforcement layers	Internal-Ø		Reinforcement-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	2	6.6	0.26	11.5	0.45	13.3	0.52	350	5075	1400	20300	45	1.8	0.18	0.27
8	5/16	-5	2	8.3	0.32	13.1	0.51	15.0	0.59	350	5075	1400	20300	60	2.4	0.22	0.32
10	3/8	-6	2	9.9	0.39	14.7	0.58	16.8	0.66	350	5075	1400	20300	65	2.6	0.26	0.38
10	3/8	-6	4	9.9	0.39	17.7	0.70	20.2	0.79	380	5510	1520	22040	65	2.6	0.45	0.67
12	1/2	-8	4	13.0	0.51	20.6	0.81	22.9	0.90	380	5510	1520	22040	90	3.5	0.52	0.78
16	5/8	-10	4	16.4	0.65	24.2	0.95	26.5	1.04	380	5510	1520	22040	100	3.9	0.71	1.05
19	3/4	-12	4	19.5	0.77	27.9	1.10	30.5	1.20	380	5510	1520	22040	120	4.7	0.89	1.33
25	1	-16	4	25.9	1.02	35.1	1.38	37.9	1.49	350	5075	1400	20300	150	5.9	1.20	1.79
31	1-1/4	-20	4	32.5	1.28	42.3	1.67	45.9	1.81	350	5075	1400	20300	210	8.3	1.71	2.55
38	1-1/2	-24	4	38.7	1.52	49.2	1.94	53.4	2.10	350	5075	1400	20300	250	9.8	2.19	3.26
38	1-1/2	-24	6	38.7	1.52	53.9	2.12	57.4	2.26	350	5075	1400	20300	460	18.1	3.31	4.93
51	2	-32	6	51.1	2.01	67.9	2.67	71.5	2.81	350	5075	1400	20300	540	21.3	4.64	6.90

**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. Notwithstanding the above listed temperature range the maximum surface temperature of the SemperShield hose cover must not exceed 120°C. 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 ([hoses.semperitgroup.com](https://hoses.semperitgroup.com)) regularly or contact one of our specialist dealers or a Semperit application engineer. All contracts concluded with us are exclusively subject to our general terms and conditions [available at [hoses.semperitgroup.com](https://hoses.semperitgroup.com)].

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