

6171 1550	DATA SHEET	
Valid from: 07.11.2018	SILVYN® FPS	

SILVYN® FPS is a helically coiled corrugated plastic conduit; helix of PVC sheathed spring steel wire, soft PVC jacket. Use in continuous movement and robotic applications. Suction conduit with slight low pressure.



Material:

Coat	PVC
Inside spiral	Spring steel wire with PVC sheathed

Technical features:

Profile	Helical coiled
Nominal width	NW 10 up to NW 56
Protection class	IP68 acc. to EN 60529
Temperature range	Depending on the used conduit gland -25°C up to +90°C

Additional features:

Compressive strength	Class 4 (1250N) acc. to EN 61386
Impact strength	Class 2 (1kg / 100mm) acc. to EN 61386
Bending resistance	Flexible
Tensile strength	Class 1 (100N) acc. to EN 61386
Free of silicone and cadmium	

Color:

Grey

Approvals:



Reference standards:

EN / IEC 61386-23

Suitable glands:

SILVYN® USK-M
SILVYN® US-M
SILVYN® LKI-M
SILVYN® MSK-M
SILVYN® USK
SILVYN® US
SILVYN® LKI
SILVYN® EE-K

For more information please see our current catalogue. Please do not hesitate to contact our laboratory if there are any questions regarding resistance against aggressive agents and special oil.

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Dimension table:

Part No.	NW	Diameter mm		Max. Bending radius mm		Weight g
		Inner	Outer	static	dynamic	
SILVYN® FPS						
6171 1550	10	7,0	10,0	8	20	0,04
6171 1590	14	10,0	14,0	10	25	0,08
6171 1630	17	13,0	17,0	13	35	0,10
6171 1670	19	15,0	19,0	15	40	0,12
6171 1710	21	16,0	21,0	17	45	0,17
6171 1750	27	22,0	27,0	20	50	0,30
6171 1790	36	29,0	36,0	25	65	0,42
6171 1830	45	38,0	45,0	36	90	0,52
6171 1910	56	48,0	56,0	40	100	0,80
SILVYN® FPS 10m						
6172 1690	10	7,0	10,0	8	20	0,04
6172 1700	14	10,0	14,0	10	25	0,08
6172 1710	17	13,0	17,0	13	35	0,10
6172 1720	19	15,0	19,0	15	40	0,12
6172 1730	21	16,0	21,0	17	45	0,17
6172 1740	27	22,0	27,0	20	50	0,30
6172 1750	36	29,0	36,0	25	65	0,42
6172 1760	45	38,0	45,0	36	90	0,52
6172 1780	56	48,0	56,0	40	100	0,80

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