

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:



E308201

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.

Creator: MAU1 /PDP Released: DAMU1/PDP	Document: DB61711550EN Version: 08	Page 1 of 2
---	---------------------------------------	-------------

6171 1550	DATA SHEET	
Valid from: 07.11.2018	SILVYN® FPS	

Dimension table:

Part No.	NW	Diameter mm		Max. Bending radius mm		Weight
		Inner	Outer	static	dynamic	g
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