


6440 0254	DATA SHEET	
Valid from: 23.04.2018	SILVYN® ZHLS	

SILVYN® ZHLS is a robust, flexible and halogen free cable protection conduit. The conduit is made of a galvanized steel band and a smooth polyolefin coat, which has a low smoke emission in the case of fire. The protection conduit can be used in tunnel applications and rail vehicles where the certification acc. to EN 45545 is necessary.



Material:

Body	Steel band, galvanized
Coat	Polyolefin

Technical features:

Surface	Smooth
Profile	Agraff-Profil with cotton thread
Nominal size	NW 1/4" up to NW 2"
Protection class	IP66 und IP67 acc. to EN 60529
Temperature range	Depending on the used conduit gland -25°C up to +80°C

Additional features:

Compressive strength	Class 4 (1250N) acc. to EN 61386
Impact strength	Class 4 (6J) acc. to EN 61386
Bending resistance	Flexible
Tensile strength	Class 4 (1000N) acc. to EN 61386
Fire classification	V0 acc. to UL94
Fire hazardous level	HL3 (R22 and R23) acc. to EN 45545-2
Oxygen index	41,5% acc. to EN ISO 4589-2
Shielding effectiveness	up to 20 dB
Free of halogen and lead	
UV resistant	

Color:

Black



Approbation:

Reference standards:

IEC 61386-1
IEC 61386-23
EN 45545-2

Suitable glands:

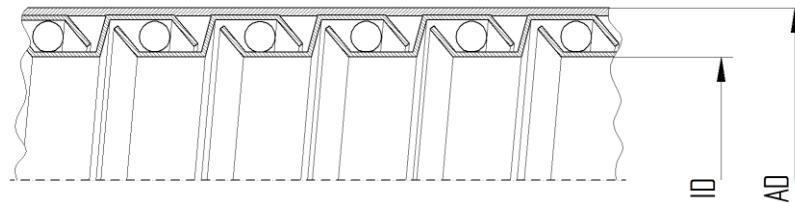
SILVYN® COMPACT M
SILVYN® COMPACT PG
SILVYN® COMPACT NPT

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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Product drawing:



Dimension table:

Part No.	Nominal size Inch	Diameter mm		Max. Bending radius mm		Weight Kg/m
		inner	outer	static	dynamic	
6440 0254	1/4"	6,4	11,5	40	50	0,2
6440 0255	5/16"	10,1	14,4	50	65	0,2
6440 0256	3/8"	12,6	17,8	60	85	0,3
6440 0257	1/2"	16,0	21,1	75	110	0,4
6440 0258	3/4"	21,0	26,4	90	140	0,6
6440 0259	1"	26,5	33,1	120	170	0,8
6440 0260	1 1/4"	35,1	41,8	135	215	1,1
6440 0261	1 1/2"	40,3	47,8	165	250	1,5
6440 0266	2"	51,6	59,9	210	300	2,0