



<b>DATA SHEET</b>	61815100
<b>SILVYN® RILL PA 12</b>	valid from : 01.02.2016

The special polyamide conduit SILVYN® RILL PA 12 with parallel grooves is suitable for various uses due to its characteristics. Is qualified for protective insulation for electrical installation in acc.to instruction for use **DIN-EN 60204** at engineering and plant construction, especially for frequent reversed bending, e. g. for robots. The grey SILVYN® RILL PA 12 has higher mechanical features, as the black one.



- Material:** Polyamide 12
- Characteristics:** Air tight  
Impervious to fluids
- Resistance:** To oil (up to 80°C), fuels, mineral oils, fats, alkalizes and bases  
Widely to acid ant solvents
- Temperature range:** - 50° up to + 100°C, for short term 150°C
- Color:** Grey  
Black (UV-Resistant)

**Norm Reference:**  
SILVYN® RILL PA 12 Grey



**Norm Reference:**  
SILVYN® RILL PA 12 Black



**Notes:** Silicon-, cadmium-, halogen free  
Self-extinguishing V2 in acc. to UL 94

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**Technical data:**

Part no	Part name	NW	Diameter mm		min. bending radius mm	
			inner	outer	static	dynamics
<b>Grey</b>						
6181 5100	SILVYN® RILL PA 12	10	6,5	10,0	13	35
6181 5110	SILVYN® RILL PA 12	13	10,0	13,0	15	45
6181 5120	SILVYN® RILL PA 12	16	12,0	15,8	22	55
6181 5180	SILVYN® RILL PA 12	18	14,3	18,5	27	64
6181 5130	SILVYN® RILL PA 12	21	16,5	21,2	35	75
6181 5140	SILVYN® RILL PA 12	28	23,0	28,5	45	100
6181 5150	SILVYN® RILL PA 12	34	29,0	34,5	50	120
6181 5160	SILVYN® RILL PA 12	42	36,0	42,5	80	150
6181 5170	SILVYN® RILL PA 12	54	48,0	54,5	100	190
<b>Black</b>						
6181 5105	SILVYN® RILL PA 12	10	6,5	10,0	13	35
6181 5115	SILVYN® RILL PA 12	13	10,0	13,0	15	45
6181 5125	SILVYN® RILL PA 12	16	12,0	15,8	22	55
6181 5185	SILVYN® RILL PA 12	18	14,3	18,5	27	64
6181 5135	SILVYN® RILL PA 12	21	16,5	21,2	35	75
6181 5145	SILVYN® RILL PA 12	28	23,0	28,5	45	100
6181 5155	SILVYN® RILL PA 12	34	29,0	34,5	50	120
6181 5165	SILVYN® RILL PA 12	42	36,0	42,5	80	150
6181 5175	SILVYN® RILL PA 12	54	48,0	54,5	100	190

**Compatible accessories:**

- SILVYN® KLICK-GM
- SILVYN® KLICK-WM
- SILVYN® KLICK-GPZ-M
- SILVYN® KSE
- SILVYN® KLICK-GP
- SILVYN® KLICK-GPZ
- SILVYN® KLICK-WM
- SILVYN® KLICK-Y
- SILVYN® KLICK-S
- SILVYN® KLICK-D
- SILVYN® KLICK-V
- SILVYN® KLICK-RH
- SILVYN® K-EM

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**Allocations table:**

Conduit	 Cable gland metric	 Cable gland metric 90°	 Cable gland metric
SILVYN® RILL PA 12 10	KLICK-M 10x1,0	KLICK 90° M 10x1,0	KLICK GPZ-M 12x1,5
SILVYN® RILL PA 12 13	KLICK-M 12x1,5	KLICK 90° M 12x1,5	KLICK GPZ-M 16x1,5
SILVYN® RILL PA 12 13	KLICK-M 16x1,5/1	KLICK 90° M 12x1,5/1	
SILVYN® RILL PA 12 16	KLICK-M 16x1,5/2	KLICK 90° M 12x1,5/2	KLICK GPZ-M 20x1,5
SILVYN® RILL PA 12 16	KLICK-M 20x1,5/1	KLICK 90° M 20x1,5/1	
SILVYN® RILL PA 12 18			
SILVYN® RILL PA 12 21	KLICK-M 20x1,5/2	KLICK 90° M 20x1,5/2	KLICK GPZ-M 25x1,5
SILVYN® RILL PA 12 21		KLICK 90° M 25x1,5/1	
SILVYN® RILL PA 12 28	KLICK-M 25x1,5	KLICK 90° M 25x1,5/2	KLICK GPZ-M 32x1,5
SILVYN® RILL PA 12 28		KLICK 90° M 32x1,5/1	
SILVYN® RILL PA 12 34	KLICK-M 32x1,5	KLICK 90° M 32x1,5/2	KLICK GPZ-M 40x1,5
SILVYN® RILL PA 12 34		KLICK 90° M 40x1,5/1	
SILVYN® RILL PA 12 42	KLICK-M 40x1,5	KLICK 90° M 40x1,5/2	KLICK GPZ-M 50x1,5
SILVYN® RILL PA 12 42		KLICK 90° M 50x1,5/1	
SILVYN® RILL PA 12 54	KLICK-M 50x1,5	KLICK 90° M 50x1,5/2	KLICK GPZ-M 63x1,5
SILVYN® RILL PA 12 54	KLICK-M 63x1,5	KLICK 90° M 63x1,5	

Conduit	 Cable gland PG + EMV	 Passage- and competition spout	 Cable gland PG
SILVYN® RILL PA 12 10		K-EM 10	KLICK PG 7
SILVYN® RILL PA 12 13	KSE PG 9	K-EM 13	KLICK PG 9
SILVYN® RILL PA 12 16		K-EM 16	KLICK PG 11
SILVYN® RILL PA 12 18			KLICK PG 13,5
SILVYN® RILL PA 12 21	KSE PG 16	K-EM 21	KLICK PG 16
SILVYN® RILL PA 12 28	KSE PG 21	K-EM 28	KLICK PG 21
SILVYN® RILL PA 12 34		K-EM 34	KLICK PG 29
SILVYN® RILL PA 12 42		K-EM 42	KLICK PG 36
SILVYN® RILL PA 12 54		K-EM 54	KLICK PG 48

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Conduit	 Cable gland PG 90°	 Cable gland PG	 One part conduit contributor
SILVYN® RILL PA 12 10		KLICK-GPZ 7	KLICK-Y 2x10 / 1x13
SILVYN® RILL PA 12 10			KLICK-Y 3x10
SILVYN® RILL PA 12 13	KLICK 90° PG 9	KLICK-GPZ 9	KLICK-Y 2x10 / 1x13
SILVYN® RILL PA 12 13			KLICK-Y 3x13
SILVYN® RILL PA 12 13			KLICK-Y 2x13 /1x16
SILVYN® RILL PA 12 16	KLICK 90° PG 11	KLICK-GPZ 11	KLICK-Y 2x13 /1x16
SILVYN® RILL PA 12 16		KLICK-GPZ 13,5	KLICK-Y 3x16
SILVYN® RILL PA 12 16			KLICK-Y 2x16 /1x21
SILVYN® RILL PA 12 18	KLICK 90° PG 13,5	KLICK-GPZ 13,5	
SILVYN® RILL PA 12 21	KLICK 90° PG 16	KLICK-GPZ 16	KLICK-Y 2x16 /1x21
SILVYN® RILL PA 12 21			KLICK-Y 2x21 /1x28
SILVYN® RILL PA 12 28	KLICK 90° PG 21	KLICK-GPZ 21	KLICK-Y 2x21 /1x28
SILVYN® RILL PA 12 28			KLICK-Y 2x28 /1x34
SILVYN® RILL PA 12 34	KLICK 90° PG 29	KLICK-GPZ 29	KLICK-Y 2x28 /1x34
SILVYN® RILL PA 12 42	KLICK 90° PG 36	KLICK-GPZ 36	
SILVYN® RILL PA 12 54	KLICK 90° PG 48	KLICK-GPZ 48	

Conduit	 Conduit bracket	 Top for Conduit bracket	 One part conduit bracket
SILVYN® RILL PA 12 10	KLICK-S 10	KLICK-D 10 /13	KLICK-RH 10
SILVYN® RILL PA 12 13	KLICK-S 13	KLICK-D 10 /13	KLICK-RH 13
SILVYN® RILL PA 12 16	KLICK-S 16	KLICK-D 16	KLICK-RH 16
SILVYN® RILL PA 12 18	KLICK-S 18		KLICK-RH 18
SILVYN® RILL PA 12 21	KLICK-S 21	KLICK-D 21	KLICK-RH 21
SILVYN® RILL PA 12 28	KLICK-S 28	KLICK-D 28	KLICK-RH 28
SILVYN® RILL PA 12 34	KLICK-S 34	KLICK-D 34	KLICK-RH 34
SILVYN® RILL PA 12 42	KLICK-S 42	KLICK-D 42	KLICK-RH 42
SILVYN® RILL PA 12 54	KLICK-S 54	KLICK-D 54	KLICK-RH 54

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 oils