

TECHNICAL DATA SHEET

PMA Smart Line - ALWD-P - Fitting

90°elbow, one-piece, IP66, PG thread

PMA



One-piece, IP66 polyamide fitting for flexible non-metallic conduit



Applications:

- In machine building, installation and construction industries

Features & Benefits:

- Economical
- Easy „push-in“ installation
- Re-opening with screwdriver (for security reasons hand opening not possible)
- Space saving due to compact design
- Fits both conduit profiles - fine (T) and coarse (G)

Ingress protection:

- IP66 (EN/IEC 60529)

Materials:

- High-grade, specially formulated polyamide 6

Compatible with:

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

Weathering resistance:

- Very good UV resistance and weathering characteristics, particularly in black

Colour:

- Black

Chemical properties:

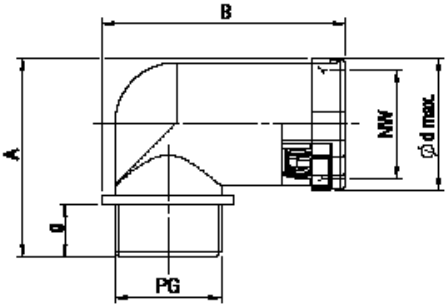
- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:								
Part no.	Thread size	Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
black	PG	NW	g	d2	A	B	kg/100 pcs	pcs/PU
ALWD-P070*	7	10	7.0	21.5	42.0	37.5	1.3	100
ALWD-P090	9	10	11.0	21.5	32.5	37.5	0.6	100
ALWD-P092*	9	12	8.0	25.0	48.0	43.5	1.8	100
ALWD-P110*	11	10	8.0	25.0	44.0	40.0	1.0	100
ALWD-P112	11	12	11.0	31.0	36.5	43.5	0.9	100
ALWD-P130*	13.5	10	9.0	31.0	37.5	40.0	1.0	100
ALWD-P132	13.5	12	11.0	39.0	36.5	45.0	1.0	100
ALWD-P137	13.5	17	11.0	39.0	41.0	50.5	1.4	100
ALWD-P167	16	17	11.0	46.0	41.0	51.5	1.4	100
ALWD-P213	21	23	12.0	46.0	52.0	61.0	2.2	50
ALWD-P299	29	29	12.0	56.0	58.5	70.5	3.1	30
ALWD-P366	36	36	13.0	56.0	70.0	85.0	5.8	20
ALWD-P488	48	48	13.0	68.0	83.0	97.5	8.8	10

These products will be delivered with a thread adapter.
Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



Mechanical Properties:	Value:	Test parameters:	Test method:
Tensile modulus	1'200 ... 3'700 N/mm ²		ISO 527
Tensile strength	45 ... 65 N/mm ²		ISO 527
Notched bar impact test	4 ... 20 kJ/m ²		ISO 180/1C

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	- 50 ... + 105 °C		PMA DO 9.21-4510
Upper application temperature	+ 120°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+ 160 °C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386-1
Flame class	V2		UL 94

Content of delivery:

- Fitting

Assembly instructions:

- When mounting, push-in conduit completely and then pull back slightly to ensure the locking mechanism is fully engaged
- To Disassembly: reopen with screwdriver and tiwst for easy release
- Please consider the appropriate assembly instructions on www.pma.ch

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