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 TECHNICAL DATA SHEET

# PMAFIX IP67 - BFIL-P - Fitting

## Straight, PG female thread

# PMA



IP67, polyamide fitting for flexible non-metallic conduit



### Applications:

- For cable protection systems in a wide range of applications

### Features & Benefits:

- Easy installation: simple push fit assembly
- Very high impact resistance
- Vibration-proof connection to PMA conduits
- High conduit pull-out strength
- Can be easily re-opened with a screwdriver
- Very good chemical properties
- Fits both conduit profiles - fine (T) and coarse (G)

### Ingress protection:

- IP67 stat. / IP65 dyn.

### Materials:

- High-grade, specially formulated polyamide 6

### Compatible with:

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

### Conforms to:

- EN 45545-2 HL3 (R22 & R23)
- NFPA 130
- UL 94 (V0)

### Weathering resistance:

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

### Colour:

- Black
- Grey

### Chemical properties:

- Please refer to [www.pma.ch](http://www.pma.ch) (Technical Information / Chemical Resistance)

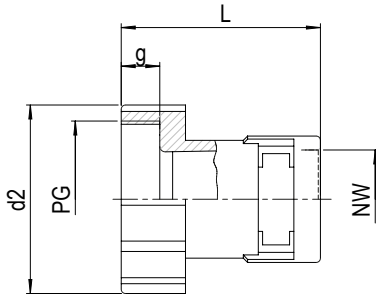
### Environmental properties:

- 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	grey	PG	NW	g	L	d2	kg/100 pcs	pcs/PU
BFIL-P07M	SFIL-P07M	7	7	8.0	29.0	17.5	0.3	100
BFIL-P070	SFIL-P070	7	10	8.0	34.5	20.0	0.6	50
BFIL-P090	SFIL-P090	9	10	8.0	32.5	20.5	0.5	50
BFIL-P112	SFIL-P112	11	12	8.0	32.5	28.0	0.8	50
BFIL-P117	SFIL-P117	11	17	8.0	35.0	28.0	1.0	50
BFIL-P132	SFIL-P132	13	12	8.0	32.5	28.0	0.7	50
BFIL-P137	SFIL-P137	13	17	8.0	33.5	29.5	0.9	50
BFIL-P160	SFIL-P160	16	10	7.0	37.0	26.0	0.6	50
BFIL-P167	SFIL-P167	16	17	8.0	33.5	34.5	1.2	50
BFIL-P217	SFIL-P217	21	17	10.5	35.5	35.0	1.0	50
BFIL-P213	SFIL-P213	21	23	8.0	39.0	35.5	1.4	30
BFIL-P293	SFIL-P293	29	23	9.0	42.0	44.0	1.6	30
BFIL-P299	SFIL-P299	29	29	9.0	43.0	45.0	2.1	20
BFIL-P369	SFIL-P369	36	29	16.0	52.0	57.0	3.4	20
BFIL-P366	SFIL-P366	36	36	13.0	64.0	54.0	4.2	20
BFIL-P488	SFIL-P488	48	48	13.0	65.0	67.0	6.1	10

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 <sup>2</sup>		ISO 527
Tensile strength	45 ... 65 N/mm <sup>2</sup>		ISO 527
Notched bar impact test	4 ... 20 kJ/m <sup>2</sup>		ISO 180/1C
Vibration and shock standard	Cat. 2		IEC 61373, IEC 60068-2-27 / -64

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	V0		UL 94
Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 150 Ds max.		EN ISO 5659-2 (25 kW/m <sup>2</sup> )
Toxicity	< 0.75 CIT <sub>NLP</sub>		NF X 70-100-1/-2: (600°C)
Fire hazard level	HL3		EN 45545-2 (R23)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 300 Ds max.		EN ISO 5659-2 (25 kW/m <sup>2</sup> )
Toxicity	< 1.5 CIT <sub>NLP</sub>		NF X 70-100-1/-2: (600°C)
Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
Heat and visible smoke	26.00 MJ/kg		ASTM E 1354
Smoke emission toxicity	compliant		Bombardier SMP 800-C
Smoke emission toxicity	compliant		Boeing BSS 7241

#### Content of delivery:

- Fitting with conduit locking clip (OVN2)
- Conduit gasket (NFN3)

#### Assembly instructions:

- Commercial sealing/adhesive pastes or liquids can be used for thread sealing.
- Please consider the appropriate assembly instructions on [www.pma.ch](http://www.pma.ch)

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