

TECHNICAL DATA SHEET

## PMAFIX IP68 - BVIRA-U - Fitting

Straight, for AMP connector with UNEF female thread

**PMA**



IP68, 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:

- IP66, IP68 & IP69 (EN/IEC 60529)
- IP69, 100 bar with Water impact protection (WPS-ring)

### Materials:

- High-grade, specially formulated polyamide 6

### Compatible with:

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits
- AMP connector series CPC

### Conforms to:

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

### Weathering resistance:

- Very good UV resistance and weathering characteristics

### Colour:

- Black

### Chemical properties:

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

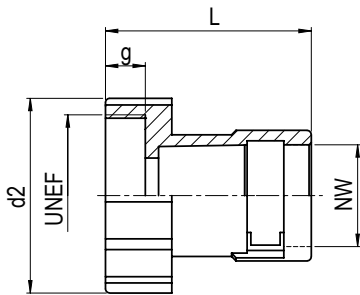
### Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.	Thread size	Conduit size	Connector size	Dimensions in mm (nom.)			Weight	Packing unit
				g	L	d2		
black	UN	NW	AMP	g	L	d2	kg/100 pcs	pcs/PU
BVIRA-U15M	5/8"-24 UNEF	7	11	8.0	31.5	21.5	0.6	100
BVIRA-U150	5/8"-24 UNEF	10	11	8.0	33.5	21.5	0.7	50
BVIRA-U152	5/8"-24 UNEF	12	11	8.0	36.5	21.5	0.8	50
BVIRA-U180	3/4"-20 UNEF	10	13	8.0	33.5	27.0	0.8	50
BVIRA-U182	3/4"-20 UNEF	12	13	8.0	36.5	27.0	0.9	50
BVIRA-U187	3/4"-20 UNEF	17	13	8.0	44.5	27.0	1.3	50
BVIRA-U232	15/16"-20 UNEF	12	17	8.0	38.5	32.0	1.4	50
BVIRA-U237	15/16"-20 UNEF	17	17	8.0	46.5	32.0	1.6	50
BVIRA-U233	15/16"-20 UNEF	23	17	8.0	48.5	35.5	1.7	30
BVIRA-U347	1 3/8"-18 UNEF	17	23	8.0	46.5	44.0	1.5	50
BVIRA-U343	1 3/8"-18 UNEF	23	23	8.0	48.5	44.0	1.6	30
BVIRA-U402	1 5/8"-18 UNEF	12	spec.	7.0	55.5	48.0	2.5	50
BVIRA-U407	1 5/8"-18 UNEF	17	spec.	7.0	61.5	48.0	2.7	50
BVIRA-U403	1 5/8"-18 UNEF	23	spec.	7.0	60.5	48.0	2.9	30

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
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 clip (OVN2)
- Conduit seal (NVN3)

#### 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)

ABB Switzerland Ltd,  
PMA Cable Protection  
Aathalstrasse 90  
8610 Uster, Switzerland  
Phone: +41 58 585 00 11  
pma-info@ch.abb.com  
[www.pma.ch](http://www.pma.ch)

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