

TECHNICAL DATA SHEET

## PMAFIX IP68 - BVIRS-U - Fitting

Straight, for Souriau 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
- Souriau connector series UTO and UTS

**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)

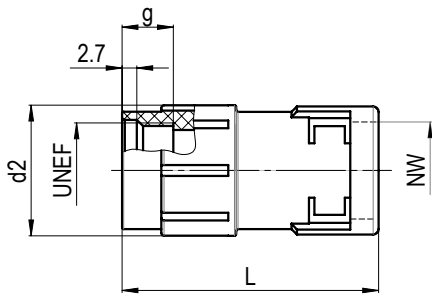
**Environmental properties:**

- 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	Souriau	g	L	d2	kg/100 pcs	pcs/PU
BVIRS-U162	11/16"-24 UNEF	12	12	9.4	47.5	24.0	1.0	50
BVIRS-U202	13/16"-20 UNEF	12	14	9.4	47.5	26.5	1.1	50
BVIRS-U237	15/16"-20 UNEF	17	16	10.0	56.0	31.0	1.5	50
BVIRS-U267	1 1/16"-18 UNEF	17	18	9.2	55.5	35.0	1.6	50
BVIRS-U293	1 3/16"-18 UNEF	23	20	9.8	56.0	38.0	2.0	30
BVIRS-U323	1 5/16"-18 UNEF	23	22	9.8	56.0	40.0	2.0	30
BVIRS-U359	1 7/16"-18 UNEF	29	24	9.7	55.5	44.0	2.4	20

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
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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
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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)
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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)
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Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
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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 (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)

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