

TECHNICAL DATA SHEET

PMAFIX IP66 - BVSGD - Connection Splice

PMA



One-piece, polyamide connection splice for flexible non-metallic conduit



Applications:

- For cable protection systems in a wide range of applications

Features & Benefits:

- Very high impact resistance
- Vibration-proof connection to PMAFLEX Conduits
- Easy installation: simple push fit assembly
- 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 (EN/IEC 60529)

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)
- UL 1696 (UL file E80294)

Weathering resistance:

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

Colour:

- Black
- Grey

Chemical properties:

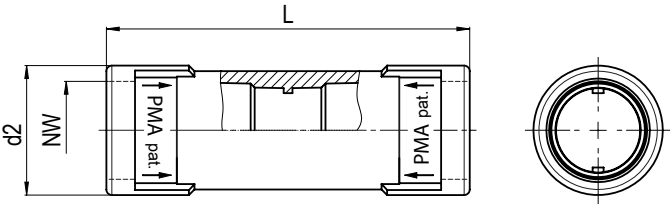
- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:					
Part no.		Conduit size	Dimensions in mm (nom.)		Packing unit
black	grey	NW	L	d2	kg/100 pcs pcs/PU
BVSGD-1212GT	SVSGD-1212GT	12	66.0	23.5	1.3 50
BVSGD-1717GT	SVSGD-1717GT	17	87.0	29.5	2.1 50
BVSGD-2323GT	SVSGD-2323GT	23	103.0	37.0	3.7 30
BVSGD-2929GT	SVSGD-2929GT	29	100.0	44.0	4.4 20
BVSGD-3636GT	SVSGD-3636GT	36	130.0	53.5	8.1 10
BVSGD-4848GT	SVSGD-4848GT	48	133.0	66.0	12.6 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 ²		ISO 527
Tensile strength	45 ... 65 N/mm ²		ISO 527
Notched bar impact test	4 ... 20 kJ/m ²		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 ²)
Toxicity	< 0.75 CIT _{NLP}		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 ²)
Toxicity	< 1.5 CIT _{NLP}		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:

- Connection splice with premounted conduit locking clip (AFN2)

Assembly instructions:

- Push-in conduit with a slight twist and pull back slightly to ensure the locking clip clicks into place

Please consider the appropriate assembly instructions on www.pma.ch

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