

TECHNICAL DATA SHEET

PMAFIX IP66 - BVYD - Y-Junction

PMA



One-piece, polyamide Y-junction 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)
- CSA C22.2 No. 227.3-05 (CSA file LL 88703)

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)

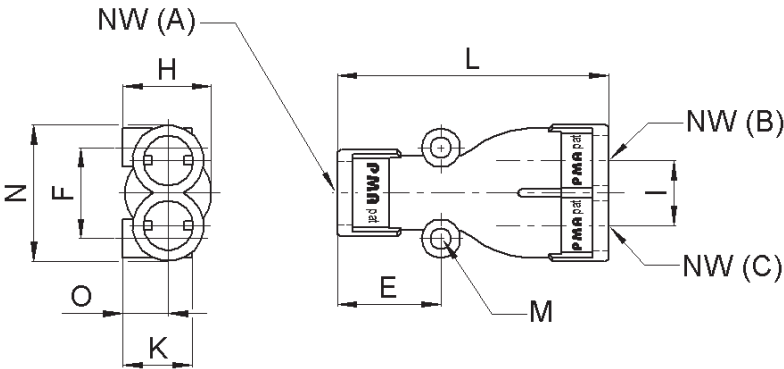
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.		Conduit size			Dimensions in mm (nom.)										Weight	Packing unit
black	grey	NW (A)	NW (B)	NW (C)	L	H	E	F	I	K	M	N	O	kg/100 pcs	pcs/PU	
BVYD-100707GT	SVYD-100707GT	10	07	07	63.0	21.0	24.0	21.0	15.0	16.0	2xM4	32.0	11.0	1.3	20	
BVYD-121010GT	SVYD-121010GT	12	10	10	69.0	24.0	27.0	24.0	19.0	18.0	2xM4	39.0	12.0	1.9	20	
BVYD-171212GT	SVYD-171212GT	17	12	12	80.0	30.0	34.0	32.0	22.0	22.0	2xM5	46.0	15.0	3.0	20	
BVYD-231717GT	SVYD-231717GT	23	17	17	98.0	38.0	38.0	42.0	30.0	29.0	2xM6	60.0	19.0	5.2	20	
BVYD-292323GT	SVYD-292323GT	29	23	23	109.0	45.0	37.0	48.0	37.0	33.0	2xM6	74.0	23.0	8.0	10	
BVYD-362929GT	SVYD-362929GT	36	29	29	130.0	54.0	50.0	58.0	43.0	36.0	2xM6	87.0	27.0	12.0	5	
BVYD-483636GT	SVYD-483636GT	48	36	36	144.0	68.0	50.0	70.0	50.0	48.0	2xM6	104.0	34.0	16.8	5	

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:

- Y-junction 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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