
 TECHNICAL DATA SHEET

PMA FIXPLus - BUAV-UL - Fitting

45° elbow, NPT thread



UL-listed polyamide fitting for flexible non-metallic conduit



Applications:

- For cable protection systems in a wide range of applications
- Excellent fire characteristics allow application in public buildings like hospitals, hotels, airports, train and subway stations, shopping centres etc.
- For use according to National Electric Code (NEC) NFPA 70, Article 356

Features & Benefits:

- Extremely High impact resistance
- Vibration-resistant connection to PMA conduits
- Easy installation
- High conduit pull-out strength
- Very good chemical properties
- Fits conduit profile 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:

- PMA FLEXPLus conduits

Conforms to:

- UL 514B / CSA C22.2 No. 18.3 (UL File E174370)
- UL 94 (V0)

Colour:

- Black
- Grey

Chemical properties:

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

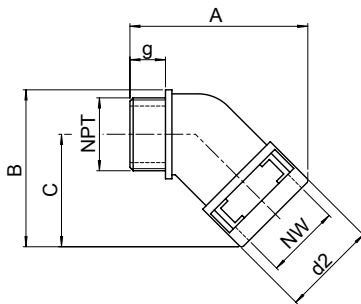
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.		Thread size	Conduit size	Dimensions in mm (nom.)					Weight	Packing unit
black	grey	NPT	NW	g	d2	A	B	C	kg/100 pcs	pcs/PU
BUAV-N027-UL	SUAV-N027-UL	1/2"	17	11.0	29.5	57.5	51.5	37.0	1.7	50
BUAV-N043-UL	SUAV-N043-UL	3/4"	23	14.0	37.0	67.0	60.0	43.0	2.7	30
BUAV-N069-UL	SUAV-N069-UL	1"	29	15.0	44.0	73.5	67.0	46.5	4.1	20
BUAV-N076-UL	SUAV-N076-UL	1 1/4"	36	18.0	53.5	91.5	85.5	60.0	6.4	20
BUAV-N088-UL	SUAV-N088-UL	1 1/2"	48	18.0	66.0	99.0	96.0	66.5	9.8	10
BUAV-N098-UL	SUAV-N098-UL	2"	48	18.0	66.0	99.0	101.0	66.5	10.5	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

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	-50 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C		PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Flame class	V0 (V2)		UL 94
Glowing wire test	960 °C		EN 60695-2-10
Oxygen index (LOI)	> 30 %		ASTM D 2863

Content of delivery:

- Fitting with conduit locking clip (AUN2)
- Conduit gasket (NVN3)
- Thread gasket (SVN4)

Assembly instructions:

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

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