

---

 TECHNICAL DATA SHEET

# PMA Automation - BKE - Ball joint termination

## PMA


**Applications:**

- In automation applications for fixing PMA conduits

**Features & Benefits:**

- Increased degree of freedom for cable packs
- Optimum solution for cable guidance in automation applications
- Reduces mechanical stress on the cable harness extending the lifespan of the application
- Easy to install and exchange
- Various combinations possible, e.g for strain relief of cables and wires

**Materials:**

- High-grade, specially formulated polyamide 6

**Compatible with:**

- PMA Automation BSH Tube clamp
- PMA Automation BKS Grommets
- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits

**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)

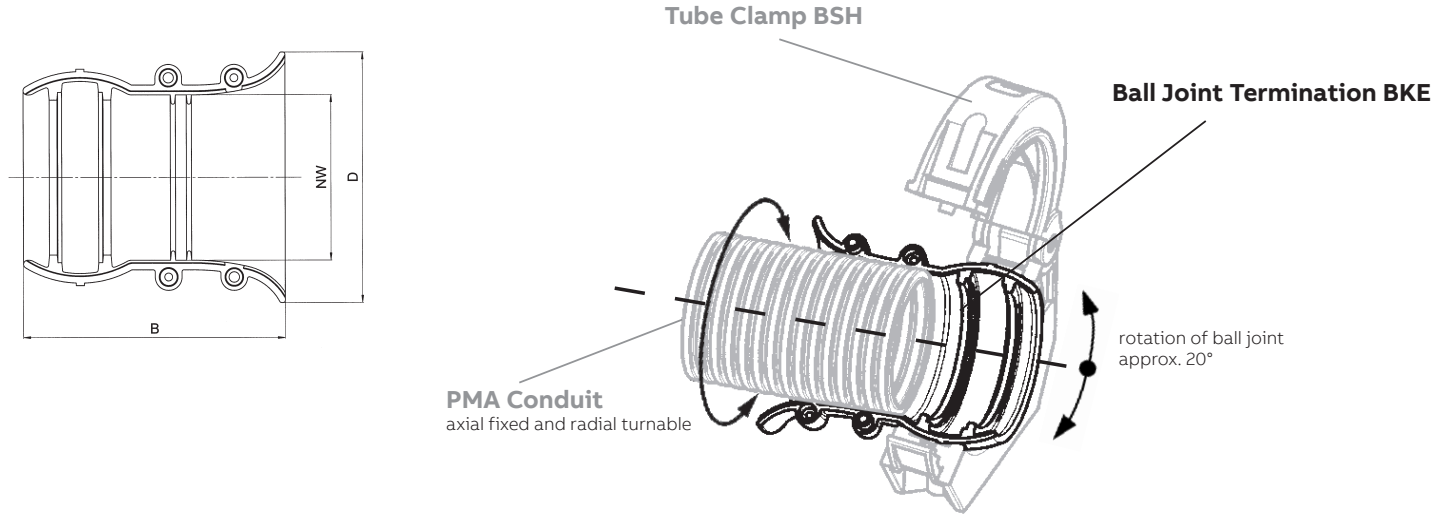
**Environmental properties:**

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.		Conduit size	Dimensions in mm (nom.)			Weight	Packing unit
ball joint termination	reduction half-shell	NW	B	D	PT screws	kg/100 pcs	pcs/PU
BKE-R70G*	BGN-R56G/70G	56	126.5	122.0	KA 50x20	27.9	1
BKE-R70G		70	126.5	122.0	KA 50x20	25.0	1

\*Reduction half-shell BGN-R56G/70G required in order to use for NW56 size conduit  
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 <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

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

**Content of delivery:**

- Ball joint termination, 4 PT screws



**Assembly instructions:**

- Possible combinations, please see above

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

Let's write the future.  
Together. **abb.com**

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Installation Products Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. Copyright© 2019 ABB Installation Products Inc. All rights reserved

