



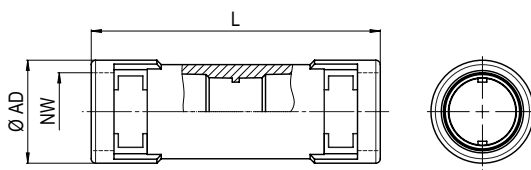
**Connection Splice**  
for flexible Conduits

IP68

## BESGR

PMA Ex eb and Ex tb Non Metallic System

### Dimensions



### Features

- Made of dissipative PA12
- Connects two PMA conduit pieces
- Prevents electrostatic charging
- For indoor and outdoor applications
- High system connection strengths
- Easy installation
- Very good chemical properties
- Zone 1,2, 21 & 22



### Certification & Standards

<b>Approved to:</b>	IEC EN 60079-0, 60079-7, 60079-31
<b>EC TYPE Examination</b>	ATEX: SEV 15 ATEX 0121X
<b>Certificate:</b>	IECEX: IECEX SEV15.0009X Ex eb IIC Gb Ex tb IIIC Db
<b>Temperature:</b>	-5°C to +85°C Sizes 02-03 (NW10-12) -20°C to +85°C Sizes 04-08 (NW17-48)
<b>IP protection:</b>	IP66, IP68

order no.	conduit size	dimensions in mm (nom.)			weight	packing unit
black	NW	L	Ø AD	kg/100 pcs	PU/pcs	
BESGR0303	12	66.0	23.5	1.3	1	
BESGR0404	17	87.0	29.5	2.1	1	
BESGR0505	23	103.0	37.0	3.7	1	
BESGR0606	29	100.0	44.0	4.4	1	
BESGR0707	36	130.0	53.5	8.1	10	
BESGR0808	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



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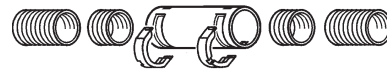
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### PMA Ex eb and Ex tb Non Metallic System

properties	unit	value	test method
<b>Mechanical properties</b>			
Stress-E-module	N/mm <sup>2</sup>	350	ISO 527
Tensile strength	N/mm <sup>2</sup>	35	ISO 527
Notched bar impact test	kJ/m <sup>2</sup>	9 (-30°C)	ISO 179/2-1eA
Impact strength	kJ/m <sup>2</sup>	> 7 (85°C)	EN 60079-0
	kJ/m <sup>2</sup>	> 7 (-20°C)	EN 60079-0
<b>Thermal properties</b>			
For use in hazardous locations:			
Temperature range sizes 02-03	°C	-05 ... +85	EN 60079-0
Temperature range sizes 04-08	°C	-20 ... +85	EN 60079-0
General:		-50 ... +95	
<b>Fire safety characteristics</b>			
<b>Application approvals</b>			
<b>System test</b>			
Please refer to <a href="#">Info-No. 10</a>			
<b>Electrical properties</b>			
Specific surface resistivity	Ω	< 10 <sup>7</sup>	ASTM D257
<b>Chemical properties</b>			
Please refer to catalogue PMA Ex-System or <a href="http://www.pma.ch">www.pma.ch</a>			
<b>Environmental properties</b>			
RoHS and REACH compliant		yes	EU Directive 2002/95/EC EU Directive 1907/2006/EC
<b>Weathering resistance</b>			
Weathering (UV/humidity) for black colour		very good	
<b>Content of delivery</b>			
Connection splice with clips (OVN2), Ex-System conduit seals (NEN3)			
<b>Mounting indication</b>			
<a href="#">Assembly instructions</a> and other relevant documents are available at <a href="http://www.pma.ch">www.pma.ch</a> .			



The specifications and instructions for our customers in this document reflect the product engineering level at the time of manufacturing. Please consider the valid data sheet release at a time. For questions please contact the PMA customer service. ABB Switzerland, PMA Cable Protection accepts no liability for damages resulting from unprofessional installation or application or misuse for a purpose. This disclaimer also includes damages to third parties. It is the customer's responsibility to check the delivered products and immediately notify ABB Switzerland, PMA Cable Protection of detected faults. It is also the customer's responsibility to test the delivered product on its applicability for the intended purpose. ABB Switzerland, PMA Cable Protection will accept no liability or responsibility for their products if a product or a PMA system is combined or used together with third-party products, i.e. products from other companies than ABB Switzerland, PMA Cable Protection. Jurisdiction in all legal disputes concerning product liability have the courts of the canton of Zurich/Switzerland. Swiss law applies.

For more information and the newest data sheet releases go to: [www.pma.ch](http://www.pma.ch)