



Anti Static Conduit
very flexible, medium-duty

PMA

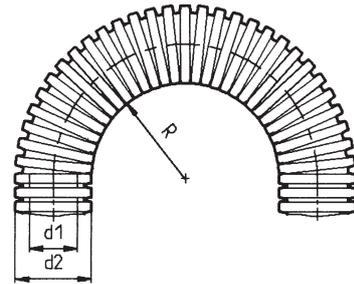
XESX

PMA Ex eb Non Metallic System

Features

- Multilayer conduit with dissipative PA12 outer layer, impact resistant HDPE inner layer
- Electrostatically discharging
- Very good UV-resistance
- For indoor and outdoor applications
- Very high mechanical load capacity and low temperature impact strength
- High abrasion resistance
- Free from halogens and cadmium

Dimensions



ATEX / IECEx Certification & Standards

Approved to: EN/IEC 60079-0, 60079-7, 60079-31

EC TYPE Examination Certificate for use with EXPQ Metallic Fittings:

Baseefa 08 ATEX 0003X, IECEx BAS 8.0001X
Ex eb IIC Gb
Ex tb IIIC Db

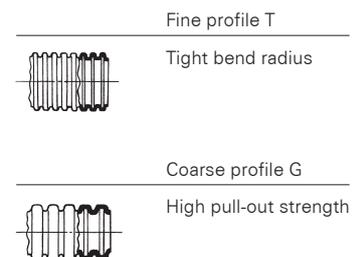
EC TYPE Examination Certificate: For use with Nylon Fittings:

SEV 15 ATEX 0121X, IECEx SEV 15.0009X
Ex eb IIC Gb
Ex tb IIIC Db



XESX Index

min.		max.
ductility	<i>Biegsbarkeit</i>	
fatigue / reverse bending	<i>Dauer- / Biegewechselfestigkeit</i>	
pressure resistance	<i>Druck- / Trittfestigkeit</i>	
cold temperature performance	<i>Kälteeigenschaften</i>	
weather resistance	<i>Witterungseigenschaften</i>	



Compatible with: PMA Ex eb Non Metallic System Fittings and Accessories, EXPQ Fittings

order no.	profile	conduit size	rec. fitting thread	dimensions in mm (nom.)				weight	packing unit
				d1	d2	stat. R.	dyn. R.		
black / yellow	T/G	NW	metric	d1	d2	stat. R.	dyn. R.	kg/100 m	metre
XESX0250	T	10	M12 / M16	9.2	12.8	25	65	3.0	50
XESX0350	T	12	M16 / M20	11.8	15.6	30	70	4.2	50
XESX0450	G	17	M20 / M25	15.2	21.0	35	85	7.0	50
XESX0550	G	23	M25 / M32	22.0	28.5	40	110	10.5	50
XESX0650	G	29	M32 / M40	27.5	34.4	50	130	14.0	50
XESX0730	G	36	M40 / M50	35.8	42.4	60	180	18.5	30
XESX0830	G	48	M50 / M63	46.8	54.4	70	220	25.0	30

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



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properties	unit	value	test method according to
Mechanical properties			
Impact strength	J	≥ 7 (+85°C)	EN 60079-0
	J	≥ 7 (-40°C)	EN 60079-0
	J	> 6 (+23°C)	PMA DO 9.21-4330
Compression strength	N	> 300 (50 x 50 mm)	PMA DO 9.21-4320
	N	> 600 (100 x 100 mm)	
Reverse bending stresses	cycles	> 200'000	PMA DO 9.21-4420
	cycles	> 600'000	PMA DO 9.21-4425
Pull-out resistance conduit/connect: PMA Ex-System, type IP66 PMA Ex-System, type IP68	N	> 300	PMA DO 9.21-4610
	N	> 400	
Testing at 23°C, 50% r.h., conduit nominal width 17, unless otherwise stated			
Thermal properties			
XESX in NW10 - NW48 certified for use in hazardous locations with EXPQM metallic fittings	°C	-40 ... +85	EN 60079-0
XESX in NW 10 - NW12 certified for use in hazardous locations with PMA Nylon ATEX / IECEx fittings	°C	-5 ... +85	EN 60079-0
XESX in NW 17 - NW48 certified for use in hazardous locations with PMA Nylon ATEX / IECEx fittings	°C	-20 ... +85	EN 60079-0
XESX in general antistatic applications without ATEX, IECEx approval	°C	-50 ... +90	PMA DO 9.21-4510
Electrical properties			
Specific surface resistivity	Ω	< 10 ⁶	DIN IEC 60093
Weathering resistance			
Weathering (UV/humidity) For black colour		very good	
Chemical properties			
Please refer to catalogue PMA Ex-System or www.pma.ch			



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properties	unit	value	test method according to
Environmental properties			
RoHS and REACH compliant		yes	DIN 53474
Free from Halogens and cadium		yes	
Content of delivery			
Conduit			

In addition to the national and international standards which consider mainly material properties and general product performance, PMA applies its own internally developed standards when assessing the system suitability of cable protection products. The PMA standards are based on 30 years experience and allow a better assessment of whether a product is practically appropriate for a specific application.

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