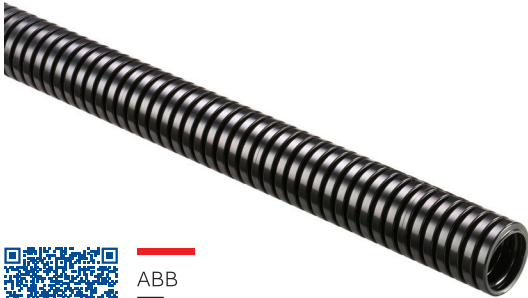


TECHNICAL DATA SHEET

# PMA EcoGuard™ - RPPA - Corrugated Conduit

## Very flexible, medium-grade, recycled content

### PMA



Presenting PMA EcoGuard™ PA6

- 50% recycle-based content primarily sourced from discarded fishing nets
- 30% savings in CO2e emissions\*
- Third-party verified Lifecycle Assessment (Type III)



**Applications:**

- In machine and equipment applications

**Features & Benefits:**

- High flexibility
- Very good mechanical performance
- Third-party validated Life Cycle Assessment (LCA)
- ABB EcoSolutions™ certified

**Materials:**

- Recycle-based polyamide 6
- High-grade, specially formulated polyamide 6

**Compatible with:**

- PMA EcoGuard product series
- PMAFIX Pro, PMAFIX, PMA Smart Line fittings
- PMA accessories

**Temperature range:**

- -40°C ... +95°C continuous, +160°C short-term

**Conforms to:**

- 50% recycle-based content primarily sourced from discarded fishing nets
- 30% savings in CO2e emissions\*
- 50% reduction in net use of fresh water\*

\* in comparison to conventional alternative based on LCA data

**Weathering resistance:**

- Good UV resistance and weathering characteristics

**Colour:**

- Black

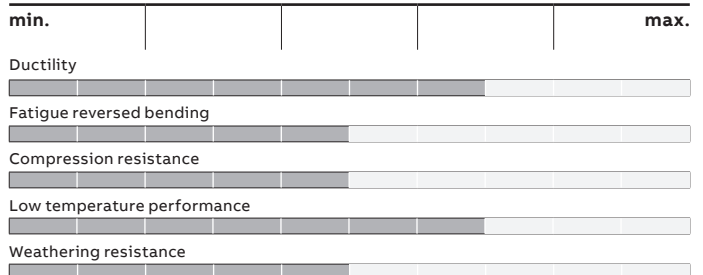
**Chemical properties:**

- 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

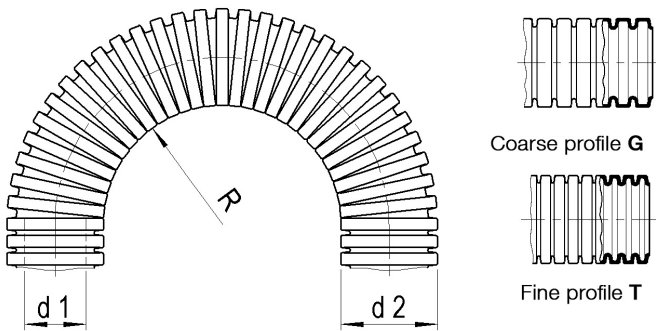
**RPPA-Index**



**Product selection:**

Part no.	Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)			Weight kg/100 m	Packing unit metre
		NW	metric	PG	metric	d1	d2	stat. R		
RPPAT-10B.50	T	10	12	9	M12 x 1.5	9.8	12.8	20	2.8	50
RPPAT-12B.50	T	12	16	11	M16 x 1.5	12.1	15.6	25	3.8	50
RPPAT-17B.50	T	17	20	16	M20 x 1.5	15.8	21.1	40	6.3	50
RPPAT-23B.50	T	23	25	21	M25 x 1.5	21.9	28.4	50	9.9	50
RPPAT-29B.50	T	29	32	29	M32 x 1.5	27.8	34.5	60	13.3	50
RPPAT-36B.30	T	36	40	36	M40 x 1.5	36.1	42.4	75	16.0	30
RPPAT-48B.30	T	48	50	48	M50 x 1.5	46.9	54.5	90	22.8	30

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



stat. R. = min. bending radius for static (fixed) installation

<b>Mechanical Properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Impact strength	> 4.5 J	(+23°C)	PMA DO 9.21-4330
	> 12.2 J	(-18°C)	UL 1696 / CSA C22.2 Nr. 227.3
	class 3, > 2 J	(-45°C)	IEC EN 61386
	class 4, > 6 J	(-15°C)	IEC EN 61386
	class 5, > 10 J	(+23°C)	IEC EN 61386
Compression strength	> 150 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 300 N	(100 x 100 mm)	PMA DO 9.21-4320
	class 1		IEC EN 61386
Resistance to fatigue	> 25'000 cycles		PMA DO 9.21-4420
	> 50'000 cycles		PMA DO 9.21-4425
	class 3 (pliable)	(-45°C)	IEC EN 61386-22
	class 3 (flexible 5000 cycles)	(-25°C)	IEC EN 61386-23
<b>Pull-out resistance conduit - fitting series</b>			
PMAFIX IP68	> 210 N		PMA DO 9.21-4610
PMAFIX IP66	> 190 N		PMA DO 9.21-4610
PMA Smart Line	> 150 N		PMA DO 9.21-4610
PMA Smart Line, PMAFIX IP66 & IP68	class 1		IEC EN 61386

Note: Testing at 23°C, 50% r.h., conduit nominal width 17, unless otherwise stated

<b>Thermal properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Continuous application temperature	-40 ... +95°C		PMA DO 9.21-4510
Upper application temperature	+110°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360
Application temperature range	-18 ... +95°C		UL 1696 / CSA C22.2 Nr. 227.3
Application temperature range	-40 ... +95°C		IEC EN 61386

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Fire performance	non flame-propagating		IEC EN 61386

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

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