

TECHNICAL DATA SHEET

# PMAFLEX - PEL - Corrugated Conduit

Highly flexible, light-grade, soft



Highly flexible corrugated conduit ideal for electrical cabinets and appliance construction



**Applications:**

- In electrical cabinets and appliance construction

**Features & Benefits:**

- Very good insulating characteristics
- Excellent flexibility
- Suitable for small bending radii
- Good resistance against strong acids and bases

**Materials:**

- Specially modified polyethylene

**Compatible with:**

- PMAFIX Pro, PMAFIX fittings
- PMA accessories

**Temperature range:**

- -50°C ... +60°C

**Colour:**

- Grey

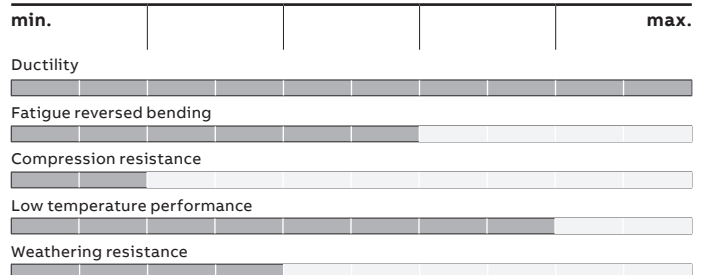
**Chemical properties:**

- 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

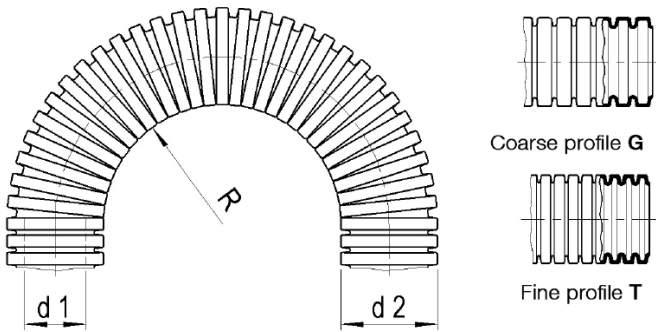
**PEL-Index**



**Product selection:**

Part no.		Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)			Weight	Packing unit
grey	slitted	T/G	NW	metric	PG	metric	d1	d2	stat. R	kg/100 m	metre
PELT-10S	PELT-10SL	T	10	12	9	M12 x 1.5	9.8	12.8	20	2.2	50
PELT-12S	PELT-12SL	T	12	16	11	M16 x 1.5	12.2	15.6	25	3.5	50
PELT-17S	PELT-17SL	T	17	20	16	M20 x 1.5	16.8	21.1	30	5.6	50
PELT-23S	PELT-23SL	T	23	25	21	M25 x 1.5	23.2	28.4	40	9.2	50
PELT-29S	PELT-29SL	T	29	32	29	M32 x 1.5	28.9	34.5	45	11.3	30
PELT-36S	PELT-36SL	T	36	40	36	M40 x 1.5	37.0	42.4	55	14.5	30
PELT-48S	PELT-48SL	T	48	50	48	M50 x 1.5	48.2	54.5	70	21.0	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	> 1 J		PMA DO 9.21-4330
Compression strength	> 50 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 100 N	(100 x 100 mm)	
Density	0.90 ... 0.94 g/cm3		DIN 53479
Reversed bending stresses	> 70'000 cycles		PMA DO 9.21-4420
	> 200'000 cycles		PMA DO 9.21-4425
Pull-out resistance conduit - fitting series			
PMA Smart Line:	> 100 N		PMA DO 9.21-4610
PMAFIX IP68	>100 N		PMA DO 9.21-4610

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>
Temperature range	-50 ... +60°C		PMA DO 9.21-4510

<b>Fire safety properties:</b>	<b>Value:</b>	<b>Test parameters:</b>	<b>Test method:</b>
Fire performance	HB		UL 94

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