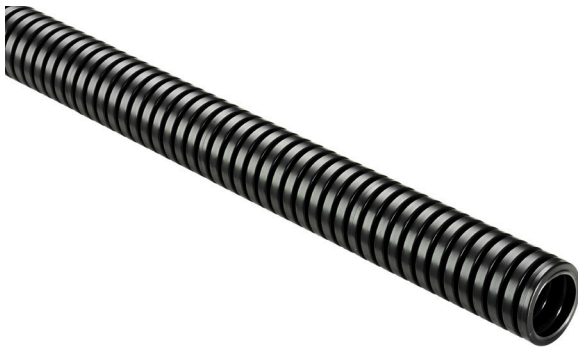


TECHNICAL DATA SHEET

PMA Smart Line - LLPL - Corrugated Conduit

Flexible, light-grade

PMA



Flexible conduit ideal for machine building, installation and construction industries



Applications:

- Machine building and general industrial applications

Features & Benefits:

- Good mechanical characteristics, also under extreme climatic conditions (low temperature and low humidity)
- Flexible
- Light weight

Materials:

- Specially formulated polyamide 6

Compatible with:

- PMAFIX, PMA Smart Line fittings
- PMA accessories

Temperature range:

- -40°C ... +95°C continuous, +140°C short-term

Weathering resistance:

- Good UV resistance and weathering characteristics, particularly in black

Colour:

- Black

Chemical properties:

- Please refer to www.pma.ch
- (Technical Information / Chemical Resistance)

Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

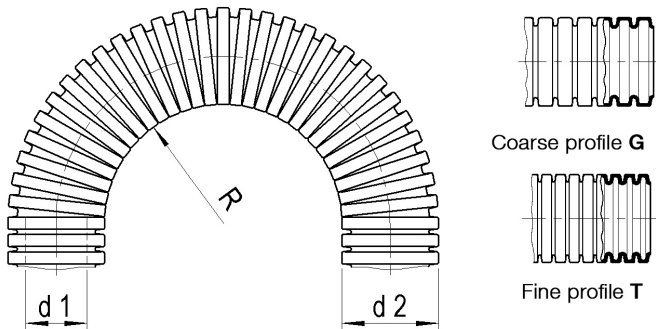
LLPL-Index

min.					max.
Ductility					
Fatigue reversed bending					
Compression resistance					
Low temperature performance					
Weathering resistance					

Product selection:

Part no.	Profile	Conduit size	Dimensions in mm (nom.)			Weight	Packing unit
			d1	d2	stat. R		
black	T/G	NW				kg/100 m	metre
LLPL-07B.50	T	7	6.7	10.0	15	1.8	50
LLPL-10B.50	T	10	9.9	12.8	20	2.2	50
LLPL-12B.50	T	12	12.3	15.6	25	3.0	50
LLPL-17B.50	T	17	17.0	21.1	35	4.5	50
LLPL-23B.50	T	23	23.4	28.4	45	8.0	50
LLPL-29B.50	T	29	29.1	34.5	55	10.8	50
LLPL-36B.30	T	36	37.2	42.4	65	12.8	30
LLPL-48B.30	T	48	48.5	54.5	80	19.5	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

Mechanical Properties:	Value:	Test parameters:	Test method:
Impact strength	> 4.0 J	(+23°C)	PMA DO 9.21-4330
Compression strength	> 100 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 200 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
Pull-out resistance conduit - fitting series			
PMAFIX IP68	> 150 N		PMA DO 9.21-4610
PMAFIX IP66	> 120 N		PMA DO 9.21-4610
PMA Smart Line	> 100N		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

Thermal properties:	Value:	Test parameters:	Test method:
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	+140°C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	HB		UL 94

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