TECHNICAL DATA SHEET

PMAFLEX - VOH - Corrugated Conduit

Pliable, very heavy-duty



Conduit with highest degree of mechanical protection ideal for heavy machine and plant construction.

Applications:
- For applications in heavy machine and plant construction

Features & Benefits:
- Robust construction
- High degree of mechanical protection
- Excellent pull-out resistance
- Self-extinguishing

Materials:
- High-grade, specially formulated polyamide 6

Compatible with:
- PMAFIX Pro, PMAFIX, PMA Smart Line fittings
- PMAGRIP flange
- PMA accessories

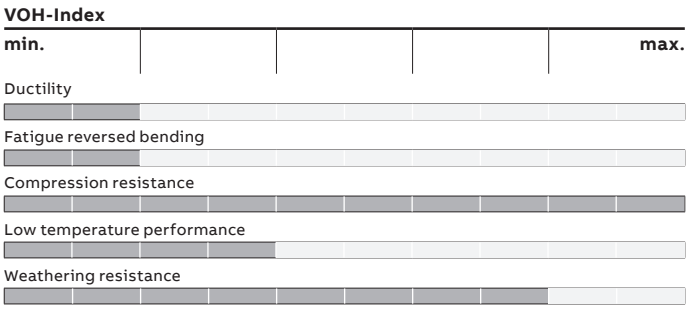
Temperature range:
- –40°C ... +105°C continuous, +160°C short-term

Weathering resistance:
- Very good UV resistance and weathering characteristics, particularly in black

Colour:
- Black
- Grey

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

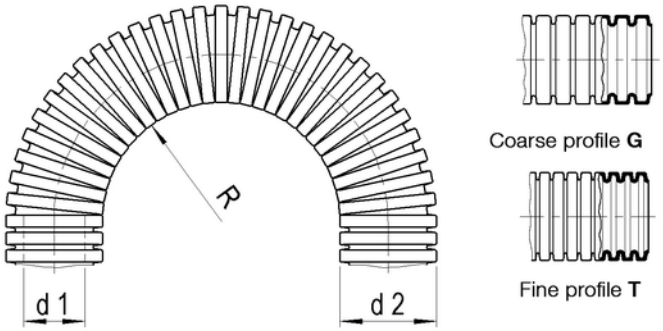
Environmental properties:
- Free from halogens and cadmium
- RoHS and REACH compliant



Product selection:

Part no.		Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)			Weight	Packing unit
black	grey	T/G	NW	metric	PG	metric	d1	d2	stat. R	kg/100 m	metre
VOHD-07B	VOHD-07S	T	7	10	7	M12x1.5	6.3	10.0	20	2.8	50
VOHD-10B	VOHD-10S	T	10	12	9	M12x1.5	9.5	12.8	25	3.6	50
VOHD-12B	VOHD-12S	T	12	16	11	M16x1.5	11.9	15.6	30	4.7	50
VOHG-17B	VOHG-17S	G	17	20	16	M20x1.5	15.1	21.1	45	9.7	50
VOHG-23B	VOHG-23S	G	23	25	21	M25x1.5	21.6	28.4	60	13.5	50
VOHG-29B	VOHG-29S	G	29	32	29	M32x1.5	27.3	34.5	70	17.5	50
VOHG-36B	VOHG-36S	G	36	40	36	M40x1.5	35.6	42.4	85	21.5	30
VOHG-48B	VOHG-48S	G	48	50	48	M50x1.5	46.5	54.5	110	28.6	30
VOHG-56B	VOHG-56S	G	56	68	-	-	55.7	67.5	135	40.0	10
VOHG-70B	VOHG-70S	G	70	80	-	-	67.0	79.6	160	65.0	10
VOHG-95B	VOHG-95S	G	95	106	-	-	91.3	107.0	220	92.0	10
VOHG-125B	VOHG-125S	G	125	146	-	-	125.4	146.0	300	115.0	6

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	> 20 J	(+23°C)	PMA DO 9.21-4330
	class 3, > 2 J	(-45°C)	IEC EN 61386
	class 4, > 6 J	(-15°C)	IEC EN 61386
	class 5, > 20 J	(+23°C)	IEC EN 61386
Compression strength	> 600 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 1200 N	(100 x 100 mm)	PMA DO 9.21-4320
	class 4		IEC EN 61386
Resistance to fatigue	> 3'500 cycles		PMA DO 9.21-4420
	> 10‘000 cycles		PMA DO 9.21-4425
	class 4, flexible	(+5°C)	IEC EN 61386
	class 3, pliable	(-45°C)	IEC EN 61386
Pull-out resistance conduit - fitting series			
NW 17	> 333 N		UL 1660
NW 23	> 444 N		UL 1660
NW 29	> 556 N		UL 1660
NW 36 - 48	> 667 N		UL 1660
NW 56 - 125	> 888 N		UL 1660
PMAFIX IP68	class 3, > 680 N		PMA DO 9.21-4610 (IEC EN 61386)
PMAFIX IP66	class 2, > 440 N		PMA DO 9.21-4610 (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 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C	(20‘000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360
Application temperature range	–45 ... +105°C		IEC EN 61386

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386
Fire performance	V0		UL 94

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