TECHNICAL DATA SHEET

PMA Divisible System - PACOF - Corrugated Conduit

Flexible, medium-duty, IP40



Divisible conduit ideal for retrofit and repairs with global rail fire safety specification

Applications:
- Rail, machine building and many other applications

Features & Benefits:
- Easy installation and reopening if necessary
- PMA standard nominal widths can be used in combination with all PMA fittings and accessories
- Trouble-Free retrofitting
- Applicable also for repairs
- Self-extinguishing

Materials:
- Specially modified polyamide 6

Compatible with:
- BLNO-M divisible fittings
- BLN-M divisible locknuts
- All standard PMA fittings and accessories

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

Conforms to:
- EN 45545-2 HL3 (R22 & R23)
- NFPA 130

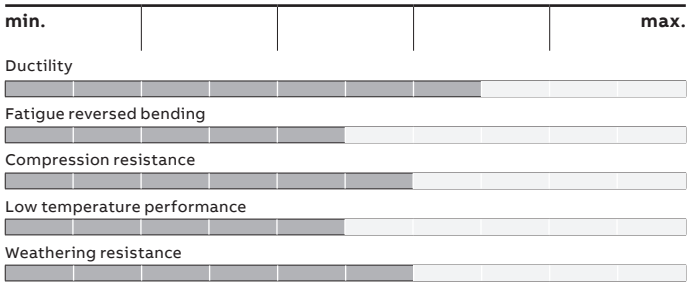
Weathering resistance:
- Very good UV resistance and weathering characteristics

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

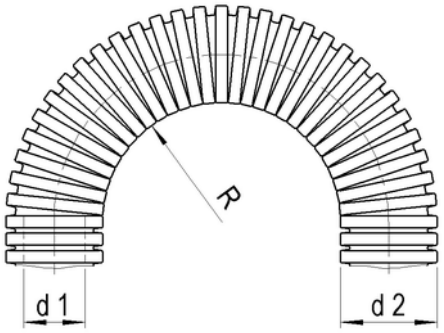
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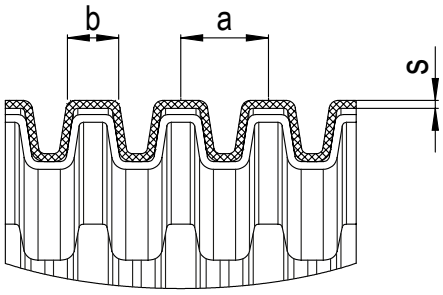


Product selection:

Part no.	Conduit size		fits to		rec. fitting thread size	Dimensions in mm (nom.)						Weight	Packing unit
black	NW	metric	system support	PMA fittngs for NW	metric	d1	d2	stat. R	a	b	s min.	kg/100 m	metre
PACOF-07B	7	10	BFH-07-0	7	M12x1.5	5.6	10.0	30	3.2	2.0	0.15	2.0	50
PACOF-10B	10	12	BFH-10-0	10	M12x1.5	8.5	12.8	33	3.6	2.2	0.15	3.6	50
PACOF-12B	12	16	BFH-12-0	12	M16x1.5	11.0	15.6	35	3.5	2.1	0.15	5.3	50
PACOF-17B	17	20	BFH-17-0	17	M20x1.5	15.5	21.1	45	4.1	2.6	0.15	6.8	50
PACOF-23B	23	25	BFH-23-0	23	M25x1.5	22.1	28.4	70	4.0	2.3	0.20	11.0	50
PACOF-29B	29	32	BFH-29-0	29	M32x1.5	27.2	34.5	120	4.1	2.5	0.20	15.5	50
PACOF-36B	36	40	BFH-36-0	36	M40x1.5	32.0	42.4	145	8.2	5.0	0.30	19.5	30
PACOF-48B	48	50	BFH-48-0	48	M50x1.5	43.9	54.5	150	7.0	4.7	0.30	26.2	30
PACOF-70B	70	80	-	PMAGRIP flange NW70	-	62.2	79.0	190	8.6	5.1	0.25	53.0	10

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	> 4.5 J		PMA DO 9.21-4330
Compression strength	> 180 N		PMA DO 9.21-4320
Pull-out resistance conduit - fitting series			
PMA Divisible System - BLNO	> 125 N		PMA DO 9.21-4610

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)	
Short-term	+160°C	(168 h)	

Fire safety properties:	Value:	Test parameters:	Test method:
Fire Performance	V0		UL 94
Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 150 Ds max.		EN ISO 5659-2 (25 kW/m2)
Toxicity	< 0.75 CIT_{NLP}		NF X 70-100-1/-2: (600°C)
Fire hazard level	HL3		EN 45545-2 (R23)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 300 Ds max.		EN ISO 5659-2 (25 kW/m2)
Toxicity	< 1.5 CIT_{NLP}		NF X 70-100-1/-2: (600°C)
Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
Heat and visible smoke	22.7 MJ/kg		ASTM E 1354
Smoke emission toxicity	compliant		Bombardier SMP 800-C
Smoke emission toxicity	compliant		Boeing BSS 7239

Note: Requirement sets (R22 & R23) apply for conduit sizes up to and including NW48

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