

TECHNICAL DATA SHEET

EASIFLEX - CF - Corrugated Conduit

Very flexible, medium-grade

PMA



Flexible conduit for general industrial applications



Applications:

- In machine and equipment applications

Features & Benefits:

- Good impact resistance
- Good flexibility
- 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

Conforms to:

- UL 1696 (UL File E80294)

Weathering resistance:

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

Colour:

- Black
- Grey

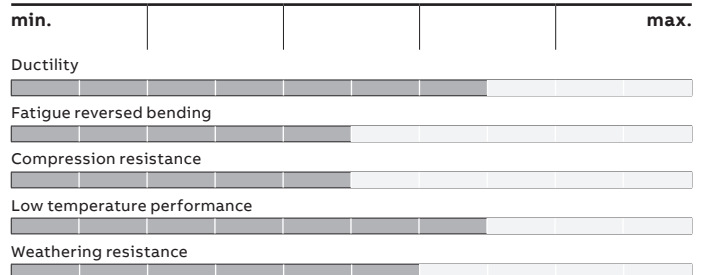
Chemical properties:

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

Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

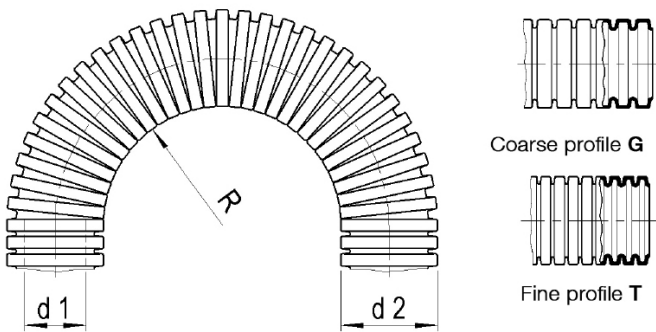
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Product selection:

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
CF-07B	CF-07S	T	7	10	7	M12x1.5	6.6	10.0	15	2.2	50
CF-10B	CF-10S	T	10	12	9	M12x1.5	9.8	12.8	20	2.8	50
CF-12B	CF-12S	T	12	16	11	M16x1.5	12.1	15.6	25	3.8	50
CF-17B	CF-17S	T	17	20	16	M20x1.5	16.8	21.1	35	6.0	50
CF-23B	CF-23S	T	23	25	21	M25x1.5	23.2	28.4	45	10.0	50
CF-29B	CF-29S	T	29	32	29	M32x1.5	28.8	34.5	55	13.5	50
CF-36B	CF-36S	T	36	40	36	M40x1.5	36.7	42.4	65	16.0	30
CF-48B	CF-48S	T	48	50	48	M50x1.5	48.2	54.5	80	21.8	30
CF-56B	CF-56S	G	56	68	-	-	56.7	67.5	120	33.0	30
CF-70B	CF-70S	G	70	80	-	-	67.5	79.6	140	46.0	30
CF-95B	CF-95S	G	95	106	-	-	91.6	107.0	190	67.0	30

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time
 Conduit size NW10 - NW95 UL recognized to UL 1696 (UL file E 80294)



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

Mechanical Properties:	Value:	Test parameters:	Test method:
Impact strength	> 5 J	(+23°C)	PMA DO 9.21-4330
	> 12.2 J	(-18°C)	CSA C22.2 Nr. 227.3 / UL 1696
	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	> 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
	> 60'000 cycles		PMA DO 9.21-4425
	class 2, pliable	(-45°C)	IEC EN 61386
Pull-out resistance conduit - fitting series			
PMAFIX IP68	> 220 N		PMA DO 9.21-4610
PMAFIX IP66	> 180 N		PMA DO 9.21-4610
PMA Smart Line	> 150 N		PMA DO 9.21-4610
PMA Smart Line, PMAFIX IP66 & IP68	class 2		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	(5'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360
Application temperature range	-18 ... +80°C		UL 1696 / CSA C22.2 Nr. 227.3
Application temperature range	(class 5,3) -45 ... +105°C		IEC EN 61386

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386
Fire performance	V2		UL 94

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