

TECHNICAL DATA SHEET

EASIFLEX - CF - Corrugated Conduit

Very flexible, medium-grade



Flexible conduit for general industrial applications



Applications:

- In machine building 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:

- -30°C ... +95°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:

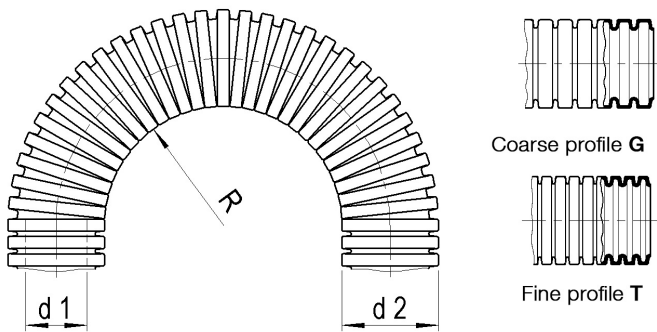
- Free from halogens and cadmium
- RoHS and REACH compliant

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

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	5.7	50
CF-23B	CF-23S	T	23	25	21	M25x1.5	23.2	28.4	45	9.9	50
CF-29B	CF-29S	T	29	32	29	M32x1.5	28.8	34.5	55	13.3	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	22.8	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	66.0	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	-30 ... +95°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

ABB Switzerland Ltd,
PMA Cable Protection
Aathalstrasse 90
8610 Uster, Switzerland
Phone: +41 58 585 00 11
pma-info@ch.abb.com
www.pma.ch

Let's write the future.
Together. **abb.com**

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Installation Products Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc. Copyright© 2019 ABB Installation Products Inc. All rights reserved

