

TECHNICAL DATA SHEET

PMAFLEX - CYF - Corrugated Conduit

Flexible, medium-grade



Flexible conduit ideal for automotive applications

Applications:

• In automobile industry

Features & Benefits:

- Good flexibility
- Good impact strength also at low temperatures and dry conditions
- Self-extinguishing

Materials:

• High-grade, specially formulated polyamide 6

Compatible with:

- PMAFIX Pro, PMAFIX, PMA Smart Line fittings
- PMA accessories

Temperature range:

–30°C ... +90°C continuous, +125°C short-term

Conforms to:

• NF R 13-903

Weathering resistance:

· Very good UV resistance and weathering characteristics

Colour:

Black

Chemical properties:

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

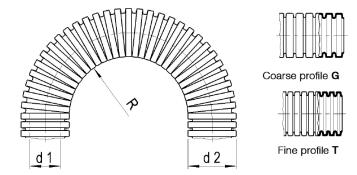
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

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

oduct selection:										
Part no.	Profile	Conduit size		rec. fitting thread size		Dimensions in mm (nom.)			Weight	Packing unit
black	T/G	NW	metric	PG	metric	d1	d2	stat. R	kg/100 m	metre
CYFT-07B	Т	7	10	7	M12x1.5	6.7	10.0	15	2.2	100
CYFT-10B	т	10	12	9	M12x1.5	9.7	12.8	20	2.8	100
CYFT-12B	т	12	16	11	M16x1.5	12.0	15.6	25	3.8	100
CYFT-17B	т	17	20	16	M20x1.5	16.6	21.1	35	6.0	100

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



stat R. : Lowest recommended bending radius for static (fixed) installation

Mechanical Properties:	Value:	Test parameters:	Test method: PMA DO 9.21-4330	
Impact strength	> 6 J	(+23°C)		
Commencies at the	. 175 N	(50 - 50	DNA DO 0 21 4220	
Compression strength	> 175 N	(50 x 50 mm)	PMA DO 9.21-4320	
	> 350 N	(100 x 100 mm)	PMA DO 9.21-4320	
Reverse bending resistance	> 15'000 cycles		PMA DO 9.21-4420	
	> 40'000 cycles		PMA DO 9.21-4425	
Pull-out resistance conduit - fitting series	5			
PMAFIX IP68	> 250 N		PMA DO 9.21-4610	
PMAFIX IP66	> 200 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	–30 +90°C		PMA DO 9.21-4510
Upper application temperature	+110°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+125°C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance		compliant	NF R 13-903

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