TECHNICAL DATA SHEET

PMA OXC - JXPCSF - Over-extruded Conduit

Highly flexible, heavy-duty

PMA® Cable Protection

Over-extruded conduit for rail applications designed specifically to prevent the accumulation of ice under extreme climate conditions.

CE

Applications:
- For dynamic or static external applications in railway vehicles
- On the roof, between carriages and on bogies

Features & Benefits:
- Excellent flexibility
- Self-extinguishing
- Smooth outer layer prevents accumulation of ice
- Easy cleaning
- High resistance to chemicals and cleaning agents

Materials:
- Multi layer conduit: specially formulated polyamide 12
- Overextrusion: specially formulated polyamide 12

Compatible with:
- PMAFIX Pro and accessoriess

Temperature range:
- –50°C ... +95°C continuous, +150°C short-term

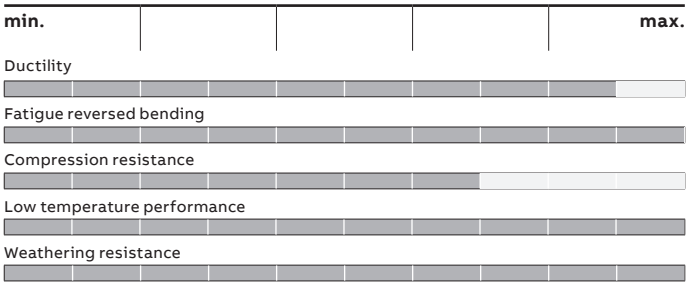
Conforms to:
- EN 45545-2 HL3 (R22 & R23)

Weathering resistance:
- Excellent UV resistance and weathering characteristics

Colour:
- Conduit outer layer: black, Inner layer: orange
- Overextrusion: black

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

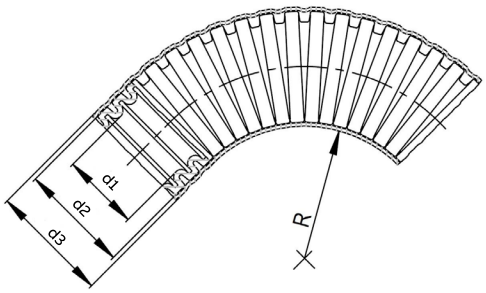
JXPCSF-Index



Product selection:

Part no.	Profile	Conduit size		Dimensions in mm (nom.)					Weight	Packing unit
black	T/G	NW	metric	d1	d2	d3	stat. R	dyn. R.	kg/100 m	metre
JXPCSFT-12BO	T	12	16	11.8	15.8	16	70	100	4.9	50
JXPCSFG-17BO	G	17	20	15.2	21.2	21.6	85	125	8.6	50
JXPCSFG-23BO	G	23	25	21.5	28.5	28.8	110	160	13.5	50
JXPCSFG-29BO	G	29	32	27.7	34.4	34.8	140	200	16.7	50
JXPCSFG-36BO	G	36	40	35.8	42.4	42.8	200	260	21.6	30
JXPCSFG-48BO	G	48	50	46.8	54.4	54.8	230	300	29.4	30

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

dyn. R. = lowest recommended bending radius for dynamic (flexible) installation

Mechanical Properties:	Value:	Test parameters:	Test method:
Impact strength	Class 3, >2J	(-45°C)	IEC EN 61386
	Class 4, > 6J	(-15°C)	IEC EN 61386
	Class 5, > 20 J	(+23°C)	IEC EN 61386
	> 12.2 J	(-18°C)	CSA C22.2 Nr. 227.3 / UL 1696
	> 7.5 J	(+23°C)	PMA DO 9.21-4330
Compression strength	Class 2		IEC EN 61386
	> 250 N	(50 x 50 mm)	PMA DO 9.21-4320
	> 500 N	(100 x 100 mm)	PMA DO 9.21-4320
Reverse bending resistance	> 5‘000	(-45°C)	IEC EN 61386-23
	> 1‘200‘000 cycles		PMA DO 9.21-4420
	> 5‘000‘000 cycles		PMA DO 9.21-4225
Pull-out resistance conduit - fitting series			
Connector type - PMAFIX Pro	Class 2		IEC EN 61386
	> 460 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:
Application temperature range	–45 ... +105°C		IEC EN 61386
Continuous application temperature	–50 ... +95°C		PMA DO 9.21-4510
Upper application temperature	+110°C	(20‘000 h)	PMA DO 9.21-4360
Short-term	+150°C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386
Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 190 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)