

MCA-I-FF

Self-regulating heating cables for anti-freeze or temperature maintenance use with exposure to **corrosives and acids and high temperatures.**

Suitable for maintaining process temperatures **up to 110°C** on piping and tanks, even in the presence of acids and corrosives, or for anti-freeze use even in the presence of acids and corrosives and where high temperature thermal treatment is foreseen, like steam washing.



CONSTITUTION OF THE CABLE

Copper conductors
Self regulating conductive core
Fluoropolymer insulation
Copper screen
Fluoropolymer outer sheath

Cables certified for classified zones

Ex II 2G Ex 60079-30-1 IIC Gb
Ex II 2D Ex 60079-30-1 IIIC Db
In accordance: EN IEC 60079-0:2018
EN IEC 60079-30-1:2017

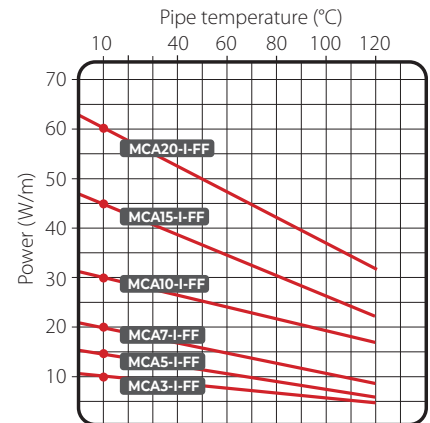


Type of surface to be tracked:

Steel - Painted - Stainless Steel - Plastic.

Chemical resistance:

Suitable for exposure to corrosives and acids and high temperatures.



Product	Power voltage (V)	Power at 10°C (W/m)	Minimum installation temperature (°C)	MAX Temperature Continuous with powered cable (°C)	MAX Temperature with no powered cable (°C)	Bending radius MIN (mm)	Temperature classification
MCA3-I-FF	230	10	-60	110	130	25	T4
MCA5-I-FF		15					T4
MCA7-I-FF		20					T3
MCA10-I-FF		30					T3
MCA15-I-FF		45					T3
MCA20-I-FF		60					T3

ELECTRICAL SIZING	MAXIMUM LENGTH OF THE CIRCUITS IN THE HEATING CABLE (m)																		
	MCA3-I-PF			MCA5-I-PF			MCA7-I-FF			MCA10-I-FF			MCA15-I-FF			MCA20-I-FF			
Starting temperature (°C)	+10°	0°	-20°	+10°	0°	-20°	+10°	-15°	-25°	+10°	0°	-20°	+10°	-15°	-25°	+10°	-0°	-20°	
Switchgear protection (A), with C curve and 30mA* differential protection*	16 A	230	217	195	164	155	141	122	107	102	92	87	79	55	48	36	52	49	45
	20 A	231	231	231	188	188	177	136	127	124	115	109	98	68	60	57	65	61	56
	25 A	231	231	231	188	188	188	-	-	-	133	133	123	-	-	-	75	75	70
	32 A	231	231	231	188	188	188	-	-	-	133	133	133	91	83	82	75	75	75

* Suggested where protection of people is requested; installations with no personnel admittance can be performed with 100 to 300 mA.

MCA-I-FF connection accessories

<p>MCA Universal IP68</p> <ul style="list-style-type: none"> • Connection kit integrated with the terminal box. • Termination Kit. • Joint Kit. 	<p>MCA-Y Branch Kit.</p>	<p>MCA-BOX3 / 4 Connection boxes between heating cables or heating and power cables.</p>	<p>MCA-AL Thermal insulation pass-through kit.</p>	<p>MCA-PRESS Cable gland.</p>	<p>MCA-EA Warning label.</p>	<p>MCA-FV Glass fiber tape.</p>	<p>MCA-ALL Aluminium self adhesive tape 25 or 75 mm.</p>
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For other accessories see page 219