



## Connection for heating Element

Plastic and Metal / Ceramic

THERMOCOAX heating elements are designed to work in very diverse and severe conditions.

Our connectors range covers this diversity and the specific requirements of any application.

Generally, the connections are mounted in our workshops.

In this case, the cold ends of the heating element are cut to the required length.

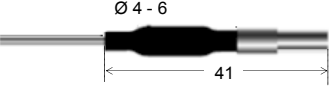
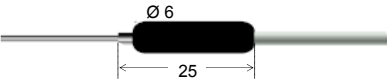
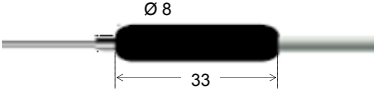
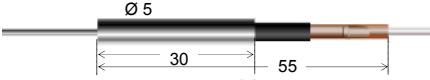
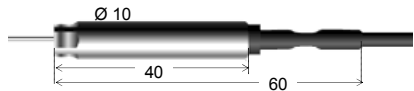


Metal / ceramic connection		Type Code	For heating element Ø (mm)	Max. working temperature	Max. current (A)*	Power supply
CP 10 CP 15-45		CP 10	1	600°C short periods	10	Socket (for CP10) + Adapter (from CP10 to 30 - other Ø : please consult us).
		CP 15	1.5		15	
		CP 20	2		20	
		CP 30	3	500°C continuous	30	
		CP 35	3.5		32	
		CP 40	4		35	
		CP 45	4.5	38		
CV 10 to 20 CV 25 to 32		CV 10	1	500°C short periods	9	-
		CV 15	1.5		13	
		CV 20	2		18	
		CV 25	2.5	400°C continuous	25	
		CV 30	3		30	
CFG 10 to 30		CFG 10	1	400°C	10	Cable : Length : 22 cm Section : 2.5 mm <sup>2</sup> for Ø 1 to 2 mm Section : 4mm <sup>2</sup> for Ø 2.5 and 3 mm
		CFG 15	1.5		15	
		CFG 20	2		20	
		CFG 25	2.5		25	
		CFG 30	3		30	
CFP 10 - 30		CFP 10	1	400°C	10	-
		CFP 15	1.5		15	
		CFP 20	2		20	
		CFP 25	2.5		25	
		CFP 30	3		30	
CW1 10 to 20 CW1 25-30		CW1 10	1	400°C	9	Cable : Length : 22 cm Section : 4 mm <sup>2</sup> + faston
		CW1 15	1.5		13	
		CW1 20	2		18	
		CW1 25	2.5		25	
		CW1 30	3		30	



## Connection for heating elements

### Technical properties

Plastic connection		Type Code	For heating element Ø (mm)	Max. working temperature	Max. current (A)*	Power supply
CT 10 - 20		CT 10	1	100°C	4	Socket
		CT 15	1.5		7	
		CT 20	2		10	
MI 10 - 20		MI 10	1	150°C	8	Cable : Length: 20 cm Section: 1 mm <sup>2</sup>
		MI 15	1.5		12	
		MI 20	2		16	
MI 25 - 30		MI 25	2.5	150°C	20	Cable : Length: 20 cm Section: 2 mm <sup>2</sup>
		MI 30	3		20	
CM 10 - 20		CM 10	1	200°C	8	Cable : Length: 20 cm Section: 2 mm <sup>2</sup>
		CM 15	1.5		12	
		CM 20	2		16	
CM 25 - 40 CM20G		CM 20G	2	200°C	20	Cable : Length: 20 cm Section: 4 mm <sup>2</sup>
		CM 25	2.5		25	
		CM 30	3		30	
		CM 40	4		40	

**Comments** \*) These values are given for a mounting on a ZEZ type heating element (single core with cold ends).  
For the types 1 Nc and 1 Hc, divide the values respectively by 4 and 6.

### Connection mounted by the end user.

In this case, select a connection which can be mounted on site. During the fitting, it is necessary to take care that humidity does not get in the element through the bare ends. Afterwards, it is necessary to measure the insulation resistance.

This should be >1000MΩ; If not, the connection should be remade.

## Your Contact

*Sales Dept*  
THERMOCOAX SAS  
40 Bd Henri Sellier  
F 92156 SURESNES Cedex  
Tel.: +33 1 41 38 80 50  
Fax: +33 1 41 38 80 70  
info@thermocoax.com

*German Sales Office*  
THERMOCOAX GmbH  
Brookstiege 1  
D 22145 STAPELFELD  
Tel.: +49 40 66857 180  
Fax: +49 40 66857 133  
info@thermocoax.de

*USA Sales Office*  
THERMOCOAX Inc.  
6825 Shiloh Road East, Ste B-7  
Alpharetta, GA 30005  
Tel.: 800 298 3345  
Fax: 678 947 4450  
info-usa@thermocoax.com

*UK Sales Office*  
THERMOCOAX UK Ltd.  
Second Floor Offices  
The Estate Office  
Aubourn,  
Lincolnshire LN5 9DX  
Tel.: +44 (1522) 789 900  
Fax: +44 (1522) 789 902  
info-uk@thermocoax.com

*The Netherlands Sales Office*  
THERMOCOAX BV  
Luchthavenweg 81  
European Business Centre  
Unit 2.23  
5657 EA EINDHOVEN  
Tel.: +31 (40) 295 95 58  
Fax: +31 (40) 255 54 78  
info-nl@thermocoax.com

*Head office*  
Planquignon  
F61434 ATHIS DE L'ORNE