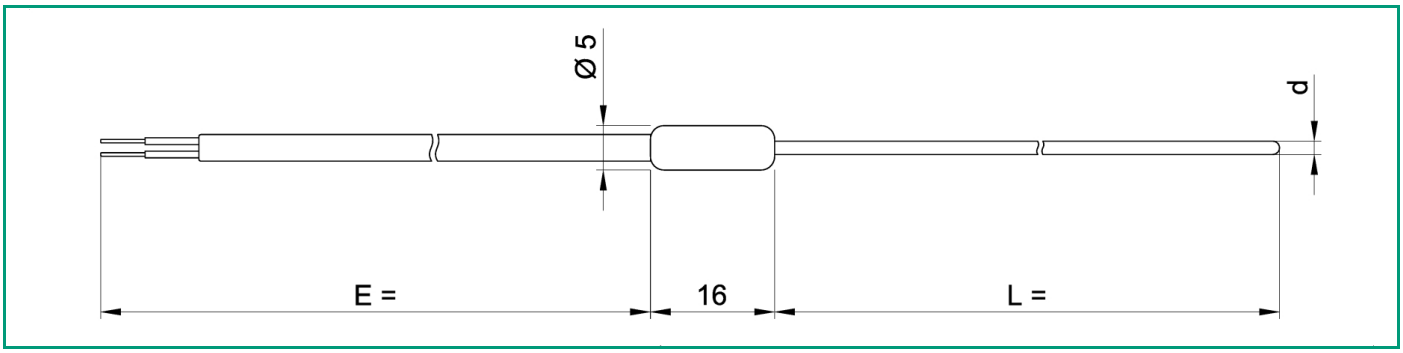
TCTH

Rev. 0 - 24/05/2021

THERMOCOUPLE FOR MOULDS WITH POLYMER TRANSITION FOR HIGH TEMPERATURE

THERMOCOUPLE FOR MOULDS WITH POLYMER TRANSITION FOR HIGH TEMPERATURE

- mineral insulated construction (M.I.C.)
- Kapton cable with easy stripping and evident colors
- Hig Temperature polymer transition (Tmax 300°C)



ITALCOPPIE SENSORI srl
Via A. Tonani, 10 - Fraz. S. Giacomo al Campo
26030 Malagnino (CR) - Italy
www.italcoppie.it

WE SENSE TEMPERATURE

TECHNICAL SPECIFICATION

Thermocouple calibration	type K (cromel-alumel), Sheet material INCONEL 600, Sensing part maximum working temperature 1100°C type J (iron-constantan), Sheet material AISI 304, Sensing part maximum working temperature 600°C
Number of elements (T/C) (*) **(*) Number Elements (T/C) asterisco**	single
Hot measuring joint	insulated grounded
Accuracy class in accordance with IEC 584	1 (SPECIAL) 2 (STANDARD)
Sheath diameter d=	Ø 1 mm Ø 1.5 mm
M.I.C. min. bending radius	3 times the outer diameter
Insulation resistance	100 M Ω@ 100 Vdc.
Realizable sheat lenghts L= (subject to feasibility check)	50 mm ÷900 mm
Transition sleeve type	H.T. POLYMER Ø 5 x 16 mm
Maximum transition temperature	300°C
Fixing system	bare stem
Compensated cable	PTFE + Kapton + Kapton; type J IEC, Temperatura massima cavo 300°C PTFE + Kapton + Kapton; type J DIN, Temperatura massima cavo 300°C PTFE + Kapton + Kapton; type K IEC, Temperatura massima cavo 300°C PTFE + Kapton + Kapton; type J ANSI, Temperatura massima cavo 300°C PTFE + Kapton + Kapton; type K ANSI, Temperatura massima cavo 300°C
Cable conductors	tipo J
Norm of reference	IEC 584
Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand (7 wire)
Primary insulation	PTFE + POLYIMIDE
Secondary insulation	POLYIMIDE
Cable size or external shape	flat wire 2.15 x 1.30 mm approx.
Cable working temperature	-200 ÷200°C (2h @350°C)
Cable conductors	tipo J
Norm of reference	DIN 43710
Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand (7 wire)
Primary insulation	PTFE + POLYIMIDE
Secondary insulation	POLYIMIDE
Cable size or external shape	flat wire 2.15 x 1.30 mm approx.
Cable working temperature	-200 ÷200°C (2h @350°C)
Cable conductors	tipo J
Norm of reference	ANSI MC96.1
Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand (7 wire)
Primary insulation	PTFE + POLYIMIDE
Secondary insulation	POLYIMIDE
Cable size or external shape	flat wire 2.15 x 1.30 mm approx.
Cable working temperature	-200 ÷200°C (2h @350°C)
Cable conductors	tipo K
Norm of reference	ANSI MC96.1
Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand

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TECHNICAL SPECIFICATION

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Number of cable conductors	2
Conductor dimension	AWG 24
Conductor feature	strand
Primary insulation	PTFE + POLYIMIDE
Secondary insulation	POLYIMIDE
Cable size or external shape	flat wire 2.15 x 1.30 mm approx.
Cable working temperature	-200 ÷200°C (2h @350°C)
Cable lenghts E= (subject to feasibility check)	300 mm ÷4 m
Breaking strain	P max 4 Kgf

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