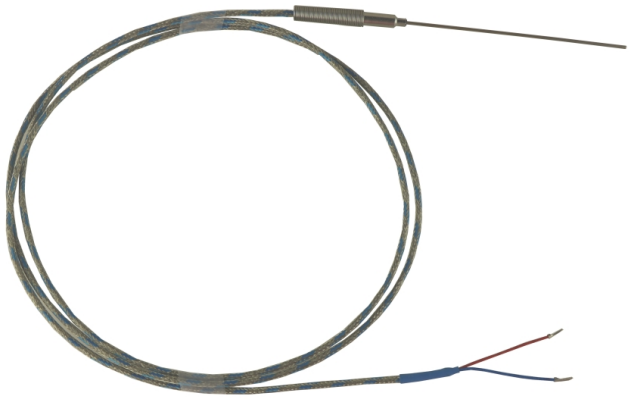
TCEJHT

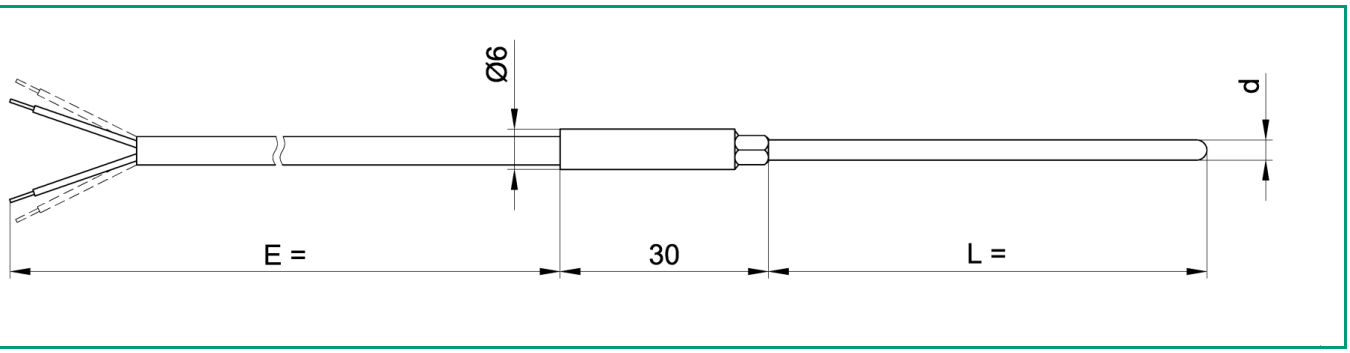
Rev. 1 - 04/11/2021

THERMOCOUPLE TYPE J Ø 3 - 4,5 mm WITH INTEGRATED CABLE

Compact mineral insulated thermocouple type J (M.I.C.) with metallic transition H.T. and compensated cable

-wide range of diameters and lengths achievable
-Transition T° MAX 260°C
-Various types of extension cable insulation
-sensitive part for T° over 600°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 J (iron-constantan)
Sheet material	AISI 304
Number of elements (T/C) (*) **(*) Number Elements (T/C) asterisco**	single double
Hot measuring joint	insulated grounded
Accuracy class in accordance with IEC 584	1 (SPECIAL) 2 (STANDARD)
Sheath diameter d	Ø 3 mm, Sensing part maximum working temperature 520°C Ø 4.5 mm, Sensing part maximum working temperature 620°C
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 ÷50 m
Transition sleeve type	METALLIC Ø 6 mm H.T.
Transition sleeve diameter	Ø 6 mm
Transition sleeve length	30 mm
Transition sleeve material	STAINLESS
Maximum transition temperature	260°C
Fixing system	bare stem
Compensated cable	reinforced fibreglass; type J DIN, Maximum working temperature 350°C (200°C structural limit of sheath) FEP; type J ANSI, Working temperature -65 ÷ 200°C reinforced fibreglass; type J IEC, Maximum working temperature 350°C rigid kapton; type J IEC, Working temperature -55 ÷ 200°C PTFE + Kapton + Kapton; type J IEC, Working temperature -200 ÷ 200°C
Cable lenghts E= (subject to feasibility check)	500 mm ÷50 m

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