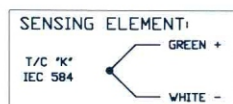
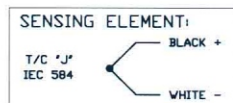
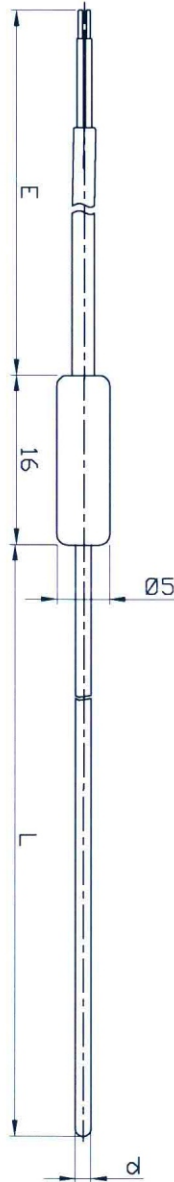


## THERMOCOUPLE FOR MOULDS WITH REFRACTORY POLYMER TRANSITION

Mineral Insulated Thermocouple, with PTFE/Kapton/Kapton cable, easy to strip, evident colour, with refractory polymer transition ( $T_{max} = 500^{\circ}\text{C}$ ).



**PATENT PENDING**



### TECHNICAL DATA

#### Thermocouple Type:

Thermocouple single element type "J" according to IEC 584 class 2 (ASTM E 230)

Thermocouple single element type "K" (\*) according to IEC 584 class 2 (ASTM E 230).

(\*) Type K available on request

#### Construction:

Mineral insulated cable (MgO) with ungrounded/grounded hot junction

#### MgO Cable Sheet Material:

T/C "J" AISI 304

T/C "K" INCONEL 600

#### Temperature limit:

Max temperature sensing part:  $600^{\circ}\text{C}$  (type "J"),  $1100^{\circ}\text{C}$  (type "K")

Max temperature transition:  $500^{\circ}\text{C}$

Max temperature cable:  $300^{\circ}\text{C}$

#### Transition material:

Refractory polymer

#### Sensing Part Dimensions:

$d = 1 \pm 0.1 \text{ mm}$  -  $d = 1.5 \pm 0.1 \text{ mm}$

#### Minimum Bending Radius:

Three times, diameter "d"

#### Extension Cable:

2-wires compensated type "K" or "J" cable 24 AWG, twisted wires, insulated with PTFE + Kapton + Kapton, easy to strip, evident colour on the conductors according to ANSI MC 96.1 or IEC 584

#### Insulation Resistance:

$R_{min} = 100 \text{ M}\Omega @ 100 \text{ Vcc}$

#### Tensile Strength:

$P_{max} = 15 \text{ kgf}$

### ORDER CODE FROM STOCK

TCTX#			2			
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#### CABLE LENGTH

E = 1 m	1000
E = 2 m	2000
E = 3 m	3000
E = 4 m	4000

#### THERMOCOUPLE TYPE

type J colored in accordance to IEC584	BW
type K colored in accordance to IEC584	BZ
type J colored in accordance to ANSI	CN
type K colored in accordance to ANSI	CP

#### JUNCTION

Insulated junction	I
Grounded junction	M

#### DIAMETER d (mm)

Ø1	-1--
Ø1,5	-15-

#### LENGTH L (mm)

100	0100
150	0150
200	0200
300	0300
400	0400
500	0500
600	0600
800	0800