

CABLE THERMOCOUPLE
C(J,K,T) 1000 i series



- **C(J,K,T) 1001t** *Teflon sheath thermocouple*
- **C(J,K,T) 1001i** *Staight pipe thermocouple*
- **C(J,K,T) 1001it** *Staight pipe thermocouple and teflon sheat*
- **C(J,K,T) 1001a** *Apparent hot spot thermocouple*
- **C(J,K,T) 1003i** *Screw thermocouple*
- **C(J,K,T) 1004i** *Bayonet thermocouple*
- **C(J,K,T) 1007i** *Tight sliding connection thermocouple*
- **C(J,K,T) 1009i** *Fix connection thermocouple to process*
- **C(J,K,T) 1009iR** *Fix connection thermocouple to cable*
- **C(J,K,T) 1009iF** *Female connection thermocouple*
- **C(J,K,T) 1010i** *Spring and turning connection thermocouple*
- **C(J,K,T) 1011i** *Stainless steel sheet flange thermocouple*
- **C(J,K,T) 1012i** *Curved turning connection thermocouple*



Thermocouple sensors range (class 1), with connecting cable realized on demand for all application type: furnace, stove, laboratory, plastic industry, ...

TECHNICAL SPECIFICATION : (Depending model application)

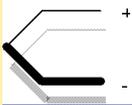
- **Protection sheath:** stainless steel 316L, Ø 2 to Ø 8 mm, 0,15 to 1mm wall thickness..
(Teflon sheath option)
Utile length: 20 ... 600 mm
Usage Temperature : - 80 to + 450 °C. (according cable nature)
- **Fastening:** Straight pipe, welded thread connection (all thread types), Sliding connection
Welded flange, sliding flange, bayonet (adjustement by compression spring), ...
Other connection or fastening on request.
- **Measure element :** J, K or T type thermocouple, single or duplex
Cable section 0.14 or 0.22mm²
- **Mounting:** By crimping (tight IP 65) sheath on cable.
- **Electrique connection:** Cable output with crimped terminals, connection, ring terminal, ..
- **Options :** Cable output protected by a bending spring,
Other cable type and any length,(PVC,SILICONE,TEFLON...)
Other materials, reduced extremity

Models available in ATEX and IECex version



All models are available in bent version or with reduced extremity.





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Technical specifications:

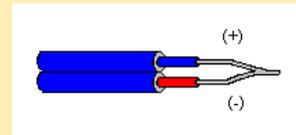
- Using temperature: from -70 to +400°C according to cable nature
- Responce time standard version
(mean value given for information only) :

in water at 0,2 m/s :	$t_{0,5} = 25$ s	$t_{0,9} = 75$ s
in air at 1 m/s :	$t_{0,5} = 2$ min.	$t_{0,9} = 6,3$ min.
- Response time version with reduced extremity
(mean value given for information only) :

in water at 0,2 m/s :	$t_{0,5} = 12$ s	$t_{0,9} = 35$ s
in air at 1 m/s :	$t_{0,5} = 1$ min.	$t_{0,9} = 3$ min.
- dielectric strength: >500 Vdc ; insulation >200 Mohms

Proposed cables natures: temperature resistance

- PVC: -50°C / +105°C
- téflon PFA: -80°C / +260°C
- téflon FEP: -80°C / +205°C
- SILICONE : -55°C / +230°C
- Silik of glass: -70°C / +400°C

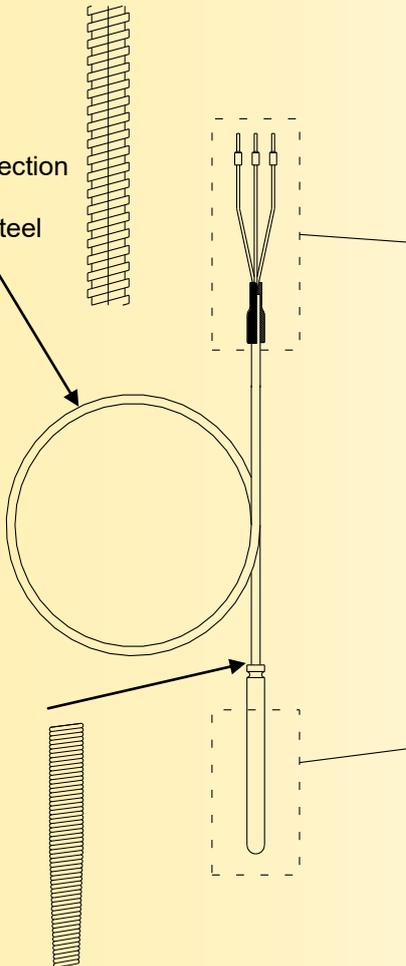


Wiring: Thermocouple + wire is same colors than sheath.
- wire is white (european norm)

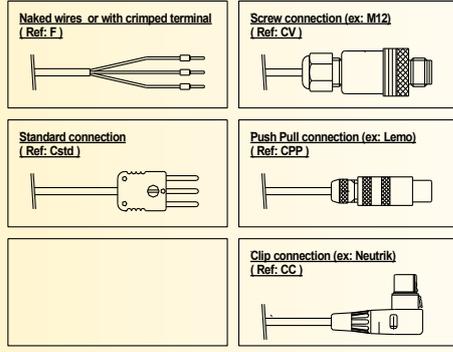


Option :
Cable protection by flexible stainless steel

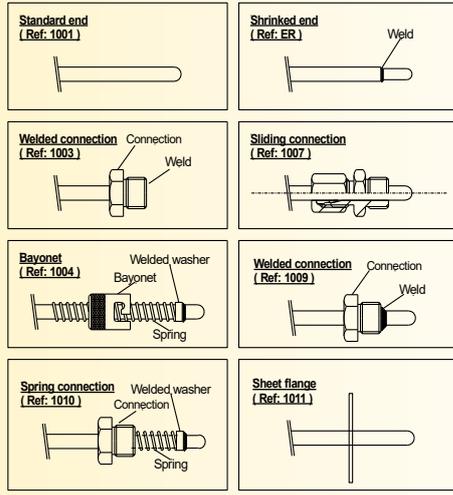
Option :
Bending spring in sensor output



Output



End / Fastening



Option : cold output on connector or thimble
(type and connecting to be specified)

Terminal end :
Mounting by default

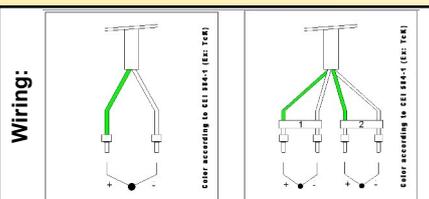
Lug :
- Spade tongue or
- Ring

FASTON Clip:
- 2.8mm or
- 6.35mm

Compensated connection
(normal or miniature)

JAEGER type connection

LEMO type connection



Fastening:



Order code													
CK	D	1001	i	option	D 6	ER	/	FEP/FEP	T	-	L 1500	/	E
Couple J K T	Single (by default) or Duplex Couple	Model 1001 1003 1004 1007 1009 1010 1011	Stainless steel -->	T R	external sheath diameter	if Reduced Extremity		Cable type Wire insulation / sheath FEP / FEP PFA / PFA PVC / PVC SDV / SDV FEP / SIL	if armoured		Cable length (mm)		Cable reduced E = extremity by default optional