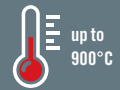


TCG11

THERMOCOUPLE

CLASS
1

IEC
584-1

MINIATURE
CONNECTOR


DESCRIPTION

Bendable flexible sheathed thermocouple for adaptation to the application, even in confined spaces. Small-diameter sensor with a short response time. Output equipped with a miniature plug-in male connector with compensated contacts for quick connection. As an option, the extension with the corresponding female plug can be supplied with a PVC cable for a withstand of 105°C.

Thermocouples must be handled with caution to avoid any breakage.

SPECIFICATIONS

Model		TCG11				
Compliance with standards		IEC 584-1 / EN 61515				
Type		K	J	T	N	
Material		Inconel 600	316L	316L	Inconel 600	Pyrosil
Class		1		2	1	
Diameter (d) (mm)		1 / 1.5 / 2 / 3				
Hot junction		Insulated/Earthed				
Thermocouple		Single				
Length L Min/Max (mm)		100 to 36,000 mm				
Max. temp. in air (without air flow) (theoretical)	Diam.1 -1.5mm	650°C	260°C	250°C	650°C	700°C
	Diam. 2 mm	700°C	440°C	250°C	700°C	900°C
Output		Standard plug-in male connector with compensated contacts				
	Option	Extension with standard female plug with compensated contacts and cable clamp, PVC extension cable, 2x0.22mm ² conductors, insulated with PVC, internal copper braid. Withstand 105°C."				
Accessories		Leak-tight fittings, rotating fittings, connectors				

DESIGN YOUR SENSOR

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	TC	SHEATH TYPE	∅ SHEATH (mm)	LENGTH L (mm)	HOT JUNCTION	OPTION LENGTH Lc (mm)
TCG6						
Reference in table and diagram	1	2	3	4		5
Possible choice	1T / 1J 1K / 1N	316L : AC INCONEL 600 : CM PYROSIL : DB	1 / 1.5 2	100 to 36,000	Insulated: I (standard) Earthed: M	Length Lc: 200 to 25,000 mm

DIAGRAM

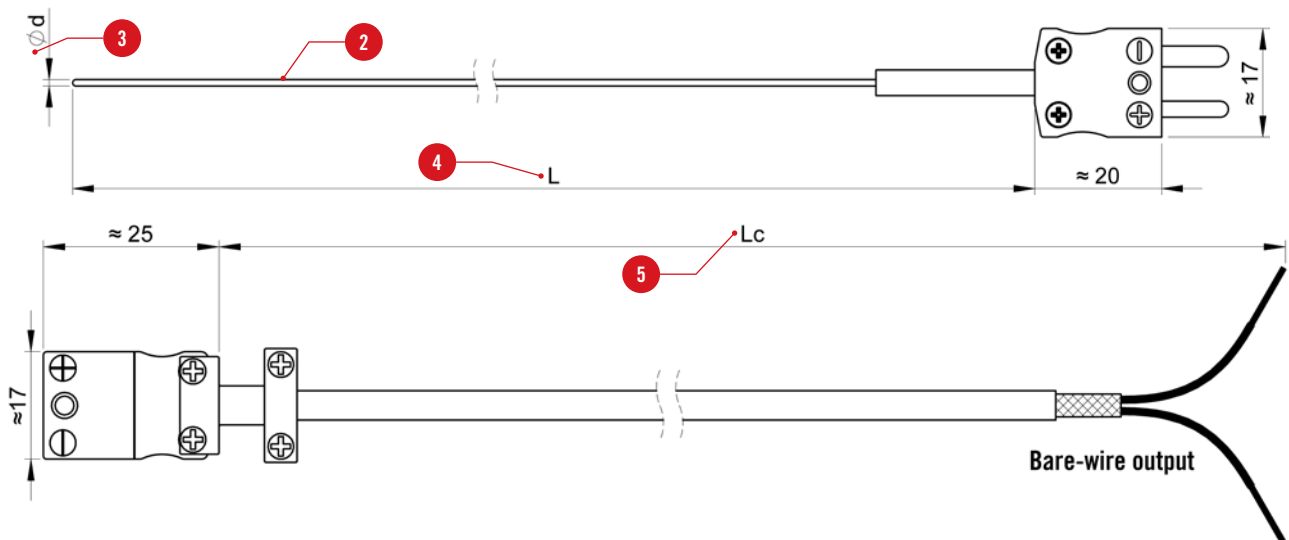


TABLE OF CONDUCTOR TYPE - WIRE DIAMETER

1 TC	Sheath diameter (mm)				3
	1	1.5	2	3	
T	316L	316L	316L	316L	
J	316L	316L	316L	316L	
K	INCONEL600	INCONEL600	INCONEL600	INCONEL600	2
N	INCONEL600	INCONEL600	INCONEL600	INCONEL600	
	-	PYROSIL	PYROSIL	PYROSIL	

CONNECTIONS

For any other configuration, please contact us.

