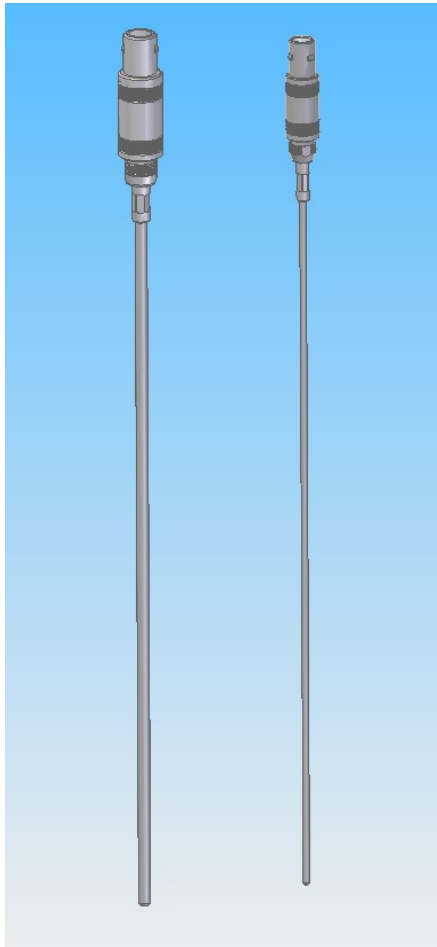


## Sheathed thermocouple with Lemosa plug

Flexible version with  
fixed Lemosa plug



### Structure according to EN 61515:

Thermocouples 1(2) x Type "J", "K" and "N", Basic values according to EN 60584, Tolerance class 1 or 2, Type "L" according to DIN 43710, Tolerance class 2, insulated or welded to the ground, completely in flexible version as mineral insulated sheathed cable, insulation of highly compressed magnesium powder.

Sheath material for

Type "J" and "L" made of stainless steel;

Type "K" and "N" made of Inconel

Lemosa plug connected directly to the sheathed cable with gold-plated contacts for sheathed cable diameter:

DMa = 1.5mm	Lemo plug – size 0
DMa = 2.0mm	Lemo plug – size 0
DMa = 3.0mm	Lemo plug – size 1
DMa = 6.0mm	Lemo plug – size 1
DMa = 8.0mm	Lemo plug – size 2

Diameters and lengths that are not listed can also be delivered.

(For variants please refer to the worksheet).

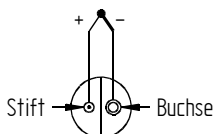
### Design of the thermocouples:

max. recommended temperature load for element type:

	Fe-CuNi, Type "J"	Fe-CuNi, Type "L"	NiCr-Ni, Type "K"	NiCrSi-NiSi,
Type "N"				
DMa = 1.5mm	600°C	600°C	900°C	900°C
DMa = 2.0mm	600°C	600°C	900°C	900°C
DMa = 3.0mm	700°C	700°C	1000°C	1000°C
DMa = 6.0mm	700°C	700°C	1000°C	1000°C
DMa = 8.0mm	700°C	700°C	1200°C	1200°C

For very rapid response behaviour, the element can also be welded to the ground; see the section on Special versions or ask our technical customer service.

### Types of wiring:



Element single



Element dual

### Areas of application:

Pilot plants

Furnaces

At locations that are difficult to access

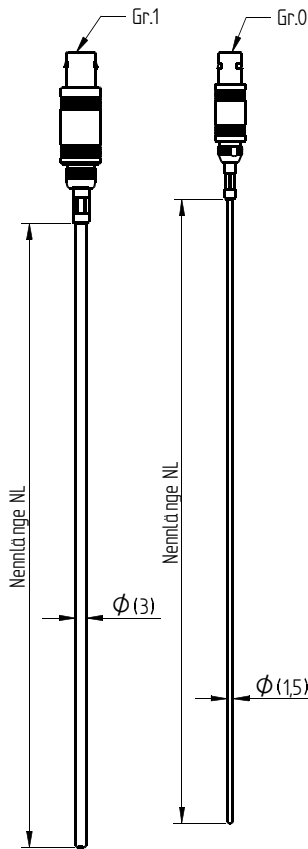
For measurements in large, hot areas

Can be glued or soldered to plant parts

For gas, steam, fluids

# Sheathed thermocouple with Lemosa plug

Flexible version with  
fixed Lemosa plug



### Sheath diameter DMA:

0.5mm |☉|  
1.5mm |☉|  
3.0mm |☉|  
4.0mm |☉|  
6.0mm |☉|  
Others \_\_\_\_\_

### Sheath material:

1.4541 (V2A) |☉|  
2.4816 (Inconel) |☉|  
others \_\_\_\_\_

### Nominal length NL:

100mm |☉| 1000mm |☉|  
300mm |☉| 2000mm |☉|  
500mm |☉| others \_\_\_\_\_

### Lemosa plug connection:

Size 00 |☉| 0 |☉| 1 |☉| 2 |☉|  
Number of pins 2 |☉| 4 |☉| 6 |☉| 8 |☉|

Contacts gold-plated |☉| made of element material |☉|

### Pin assignment:

Lemosa plug |☉|  
Lemosa coupling |☉|  
Protection rating IP68 (otherwise IP 54) |☉|

**Temperature load:** Measurement point: from | | to | | °C Environment/Connector: | | °C

### Sheathed - thermocouple:

NiCr-Ni "K"	single  ☉	dual  ☉
Fe-CuNi "J"	single  ☉	dual  ☉
NiCrSi-NiSi "N"	single  ☉	dual  ☉
Fe-CuNi "L"	single  ☉	dual  ☉
PtRh-Pt "S"	single  ☉	dual  ☉
PtRh-Pt "R"	single  ☉	dual  ☉
Others _____		

### Additional specification/ Remarks:

### Tolerance class:

Class "2"  ☉	<b>Measurement point:</b>	welded insulated  ☉
Class "1"  ☉		ground welded  ☉
others _____		

Company	: _____	Your Ref.	: _____
Contact person	: _____	Quantity	: _____
Street/Place	: _____	Del. time	: _____
Email address	: _____	Telephone	: _____