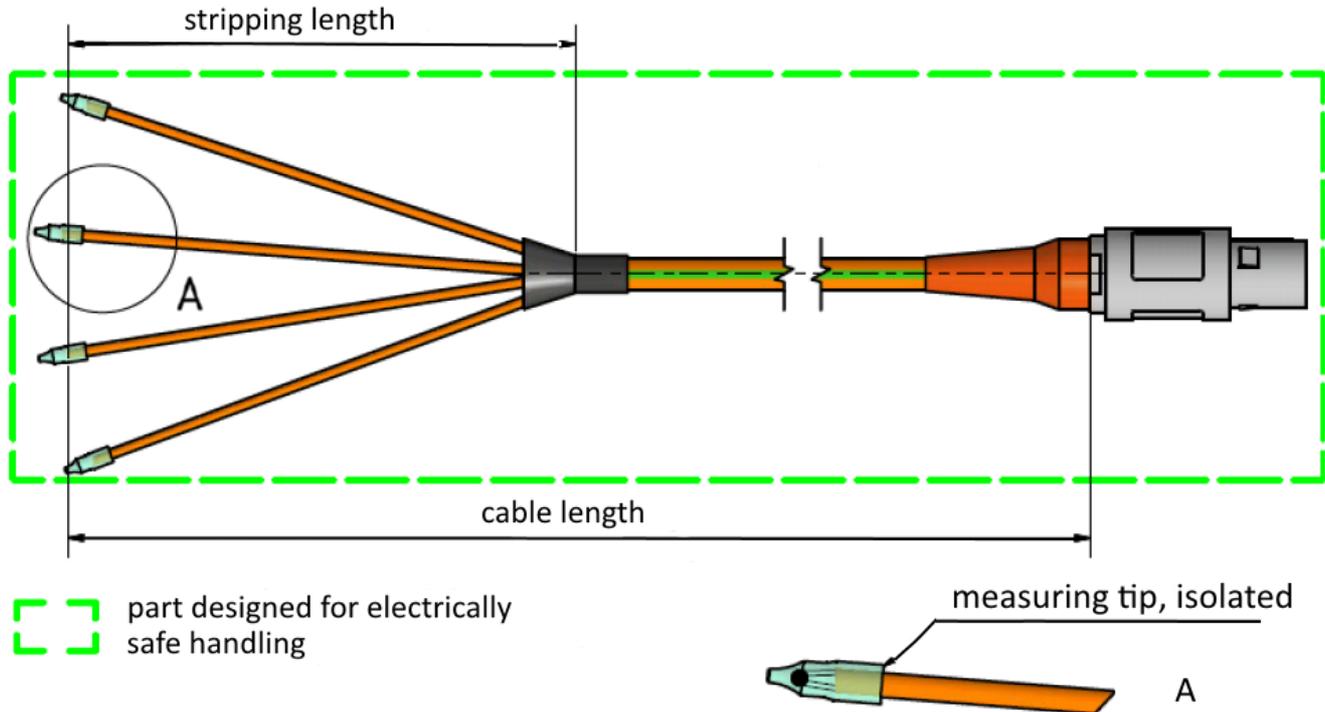


## ACC/SENSORCABLE-4HV-T-L

### LEMO.2P (Redel) Thermocouple for High Voltage Modules (HV)

4-channel HV-capable LEMO.2P (Redel, 8-pin) plug for thermocouple measurement type K, e.g. for CRFX/HISO-8-T-2L, CANFX/HISO8-T-2L and CANFT/HISO-T-8-2L modules.



Structure	
Thermocouple cable	FEP-isolated thermocouple cable type K, 4 x 2 x 0.20 mm Ø
Thermocouple	4x type K, (+)- side nickel-chrome (KP), (-)-side nickel (KN) from one charge 0.20 mm Ø single wire diameter
Color coding	DIN EN 60584
Isolation	FEP, KP green, KN white

Order Code		article no.
ACC/SENSORCABLE-4HV-T-L-2M	cable length 2 m	13500283
ACC/SENSORCABLE-4HV-T-L-3M	cable length 3 m	13500284

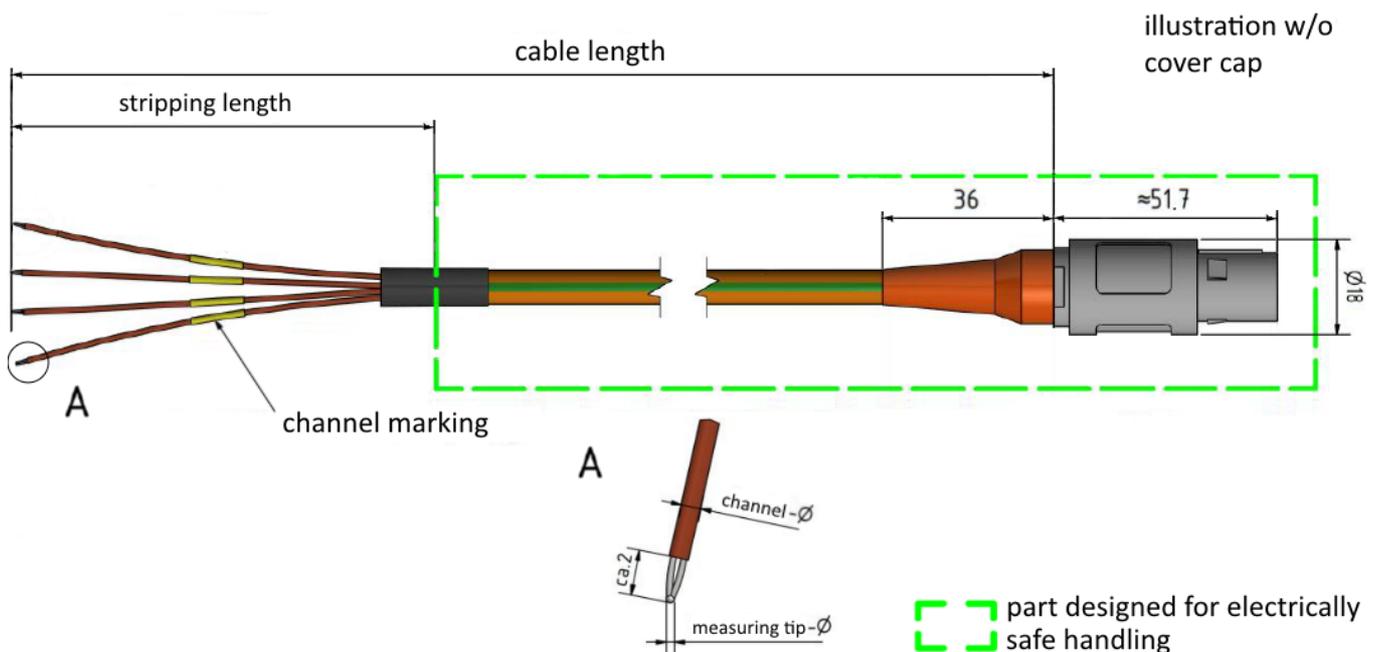
Included accessories	
Terminal connection	<ul style="list-style-type: none"> <li>Redel-plug, 8-pin <sup>1</sup>, designed for electrically safe handling</li> <li>anti-buckling grommet orange on the plug</li> <li>protection cover on the plug</li> </ul>
Sensor	<ul style="list-style-type: none"> <li>isolated shrink tube via bare measuring tip, electrically safe handling</li> <li>Only use the product undamaged, only use by qualified personnel.</li> <li>Do not cut or shorten the cable, otherwise new high voltage tests will be required.</li> </ul>

1 The pin configuration has to be taken from the imc device Manual (imc CANSAS or imc CRONOS-User Manual).

## ACC/SENSORCABLE-4HV-T-L-XS-3M

### LEMO.2P (Redel) 4-Channel Thermocouple for HV Modules - extra slim

4-channel extra slim sensor cable with measuring tip (blank) and with HV-capable LEMO.2P (Redel, 8-pin) plug, e.g. for CRFX/HISO-8-T-2L, CANFX/HISO8-T-2L and CANFT/HISO-T-8-2L modules



Structure	
Thermocouple cable	Thermocouple cable type K, 4 x 2 x 0.20 mm $\varnothing$ , HV-Surface thermocouple is not designed for electrically safe handling
Thermocouple	4x type K, DIN EN 60584, class accuracy: class 1
Measuring tip	blank
Channel isolation	PI foil, KP green, KN white

Order Code		article no.
ACC/SENSORCABLE-4HV-T-L-XS-3M	cable length 3 m - extra slim, with <b>measuring tip (blank)</b> It is not safe to touch the stripped part of the cable.	13500323

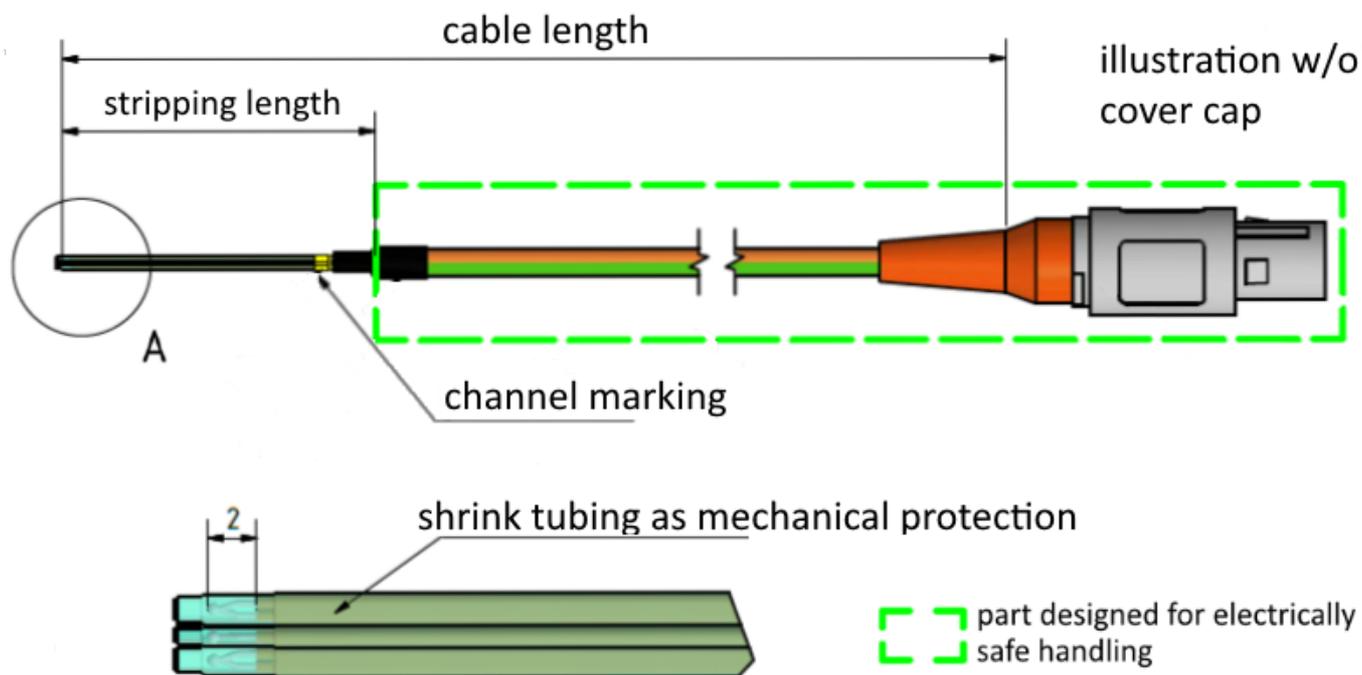
Included accessories	
Terminal connection	<ul style="list-style-type: none"> <li>Redel-plug, 8-pin <sup>1</sup>, designed for electrically safe handling</li> <li>anti-buckling grommet orange on the plug</li> <li>protection cover on the plug</li> </ul>
Sensor	<ul style="list-style-type: none"> <li>yellow tube for the channel marking</li> <li>Only use the product undamaged, only use by qualified personnel.</li> <li>Do not cut or shorten the cable, otherwise new high voltage tests will be required.</li> </ul>

1 The pin configuration has to be taken from the imc device Manual (imc CANSAS or imc CRONOS-User Manual).

### ACC/SENSORCABLE-4HV-T-L-XS-5M

#### LEMO.2P (Redel) 4-Channel Thermocouple for HV Modules - extra slim

4-channel extra slim sensor cable with protected measuring tips for high voltage (HV) - extra slim, e.g. for CRFX/HISO-8-T-2L, CANFX/HISO8-T-2L and CANFT/HISO-T-8-2L modules.



Structure	
Thermocouple cable	thermocouple cable type K, 4 x 2 x 0.20 mm $\varnothing$ , HV surface thermocouple
Thermocouple	4x type K, DIN EN 60584, class 1
Measuring tip	2 mm
Channel isolation	PI foil, KP green, KN white

Order Code		article no.
ACC/SENSORCABLE-4HV-T-L-XS-5M	cable length 5 m - extra slim, measuring tip with <i>shrink tube</i>	13500392

Included accessories	
Terminal connection	<ul style="list-style-type: none"> <li>Redel plug, 8-pin <sup>1</sup>, safe handling</li> <li>anti-buckling grommet orange on the plug</li> <li>protection cover on the plug</li> </ul>
Sensor	<ul style="list-style-type: none"> <li>yellow channel marking tube, numerical overprint 1-4</li> <li>mechanical protection tube above the PI single point with approx. 5 mm projection to the measuring tip</li> <li>Only use the product undamaged, only use by qualified personnel.</li> </ul>

1 The pin configuration has to be taken from the imc device Manual (imc CANSAS or imc CRONOS-User Manual).

### Technical Specs - SENSORCABLE-4HV-T-L-xx

Parameter	Value	Remarks
Thermocouple classification	NiCr-Ni type K, class 1	DIN EN 60584-1
Temperature range thermoelectric cable FEP thermocouple PI Thermocouple	-40°C to +150°C (3000 h) -40°C to +180°C -40°C to +250°C -40°C to +180°C	+125°C permanent use CABLE-4HV-T-L(-2M/-3M) CABLE-4HV-T-L-XS-3M CABLE-4HV-T-L-XS-5M
Voltage strength via mantel of pairs via inner shell plug	1000 V 1000 V 1000 V	
Overvoltage protection plug	3000 V	1 minute (unit test)
Min. permissible bending radius	12x outer- $\emptyset$	thermoelectric cable

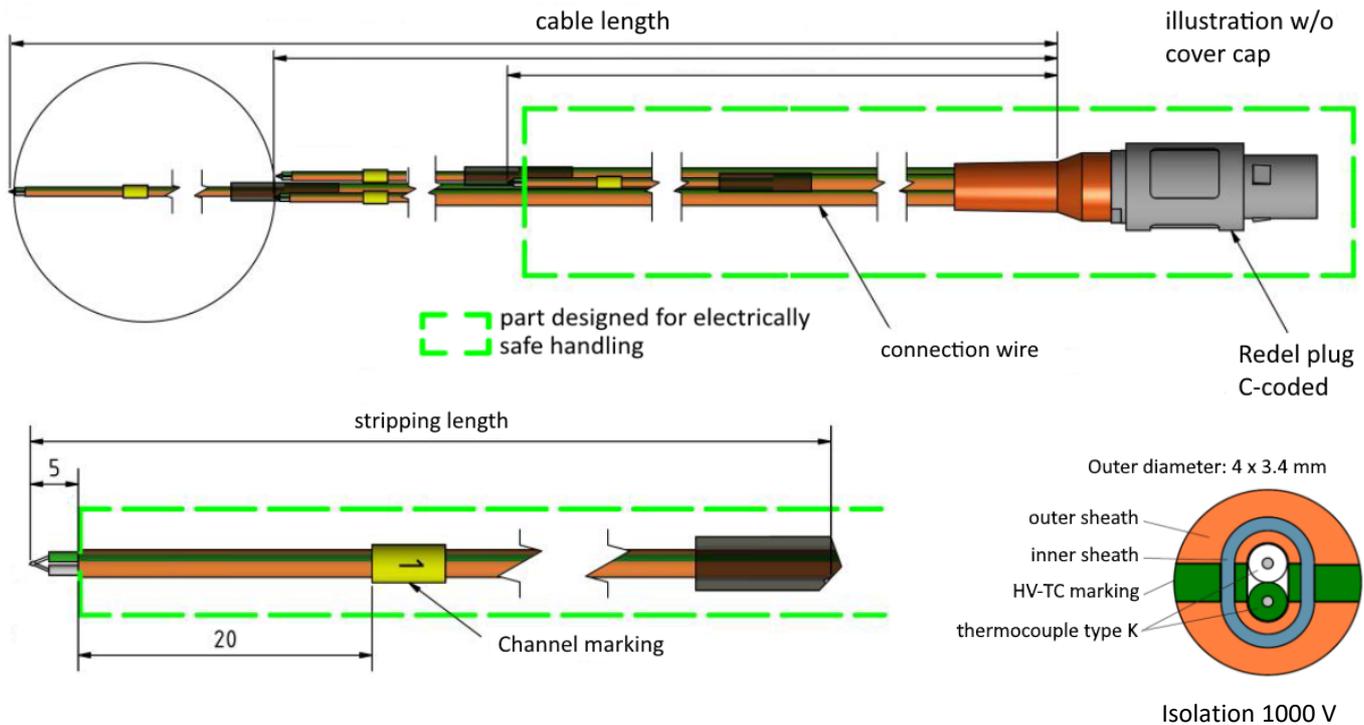
#### Dimensions

Parameter	Value	Remarks
Outer- $\emptyset$	6.1 mm 4.5 mm	CABLE-4HV-T-L(-2M/-3M) CABLE-4HV-T-L-XS(-3M/-5M)
Channel- $\emptyset$	1 mm	CABLE-4HV-T-L-XS-3M
Measuring tip	2 mm, isolated (safe handling) blank (no safe handling)	CABLE-4HV-T-L(-2M/-3M) CABLE-4HV-T-L-XS-3M
Measuring tip- $\emptyset$	approx. 2.6 mm approx. 0.5 mm	CABLE-4HV-T-L(-2M/-3M) CABLE-4HV-T-L-XS-3M
Cable length	2400 mm 3400 mm 3400 mm 5000 mm	CABLE-4HV-T-L-2M CABLE-4HV-T-L-3M CABLE-4HV-T-L-XS-3M CABLE-4HV-T-L-XS-5M
Stripping length	800 mm	CABLE-4HV-T-L-XS-5M
	400 mm	CABLE-4HV-T-L-2M, CABLE-4HV-T-L-3M CABLE-4HV-T-L-XS-3M

## ACC/SENSORCABLE-4x1HV-T-L-3M

### LEMO.2P (Redel) 4x1-Channel Thermocouple for High Voltage modules (HV)

HV-capable LEMO.2P (Redel, 8-pin) common plug with 4 individual, outgoing cables, e.g. for CRFX/HISO-8-T-2L, CANFX/HISO8-T-2L and CANFT/HISO-T-8-2L modules.



Structure	
Thermocouple cable	FEP-isolated Thermocouple cable type K, 4 x 2 x 0.20 mm $\varnothing$ HV-Surface thermocouple is not designed for electrically safe handling
Thermocouple	4x type K, DIN EN 60584, class accuracy class 1
Measuring tip	blank
Isolation	FEP, KP green, KN white

Order Code		article no.
ACC/SENSORCABLE-4x1HV-T-L-3M	cable length 3 m	13500322

Included accessories	
Terminal connection	<ul style="list-style-type: none"> <li>Redel plug, 8-pin <sup>1</sup>, designed for electrically safe handling</li> <li>anti-buckling grommet orange on the plug</li> <li>protection cover on the plug</li> </ul>

<sup>1</sup> The pin configuration has to be taken from the imc device Manual (imc CANSAS or imc CRONOS-User Manual).

### Technical Specs - SENSORCABLE-4x1HV-T-L-3M

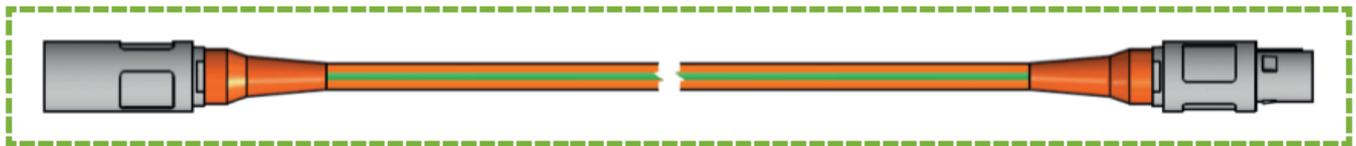
Parameter	Value	Remarks
Thermocouple classification	NiCr-Ni type K, class 1	DIN EN 60584-1
Temperature range thermoelectric cable FEP thermocouple	-40°C to +150°C (3000 h) -40°C to +180°C	+125°C constant use
Voltage strength via inner shell plug	1000 V 1000 V	
Overvoltage protection plug	3000 V	1 minute (unit test)
Min. permissible bending radius	12x outer- $\emptyset$	thermoelectric cable

Dimensions		
Parameter	Value	Remarks
Outer- $\emptyset$	4x 3.4 mm	
Measuring tip	5 mm, blank	not designed for electrically safe handling
Cable length	3400 mm	
Stripping length	400 mm	stripped on the inner sheath

# ACC/EXTCABLE-4HV-T-L-3M

## 4-channel sensor extension cable (TC Type K) for high voltage (HV)

HV compatible plugs LEMO.2P (Redel, 8-pin) male and female, e.g. for CRFX/HISO-8-T-2L, CANFX/HISO8-T-2L and CANFT/HISO-T-8-2L



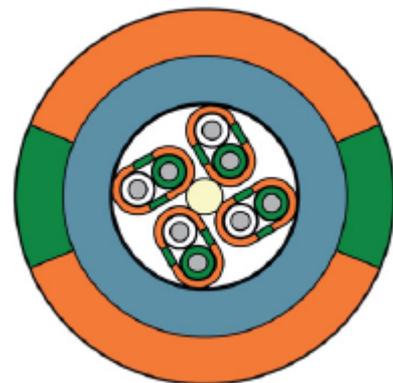
female

cable length

plug



safe to touch only when plugged in device or with cover cap



Thel K 4 x 2 x 0.2 mm  $\varnothing$



Structure		
Min. permissible bending radius	12x outer- $\varnothing$	
Order Code		article no.
ACC/EXTCABLE-4HV-T-L-3M	3 m cable length	13500375
Included accessories		
Terminal connection	<ul style="list-style-type: none"> <li>• Redel plug male and female, 8-pin <sup>1</sup></li> <li>• protection cover on the plug</li> </ul>	

1 The pin configuration has to be taken from the imc device manual (imc CANSAS or imc CRONOS manual).

### Technical Specs- EXTCABLE-4HV-T-L-3M

Parameter	Value	Remarks
Temperature range connection cable	-40°C to +150°C (3000 h) +125°C permanent use	
plug (male)	-50°C to +170°C	
Voltage strength via inner shell plug male / female	1000 V 1000 V	pair shell
Overvoltage protection plug	3000 V	1 minute (unit test)
Min. permissible bending radius	12x outer- $\emptyset$	

Dimensions		
Parameter	Value	Remarks
Outer- $\emptyset$	6.1 mm	
Cable length	3000 mm	