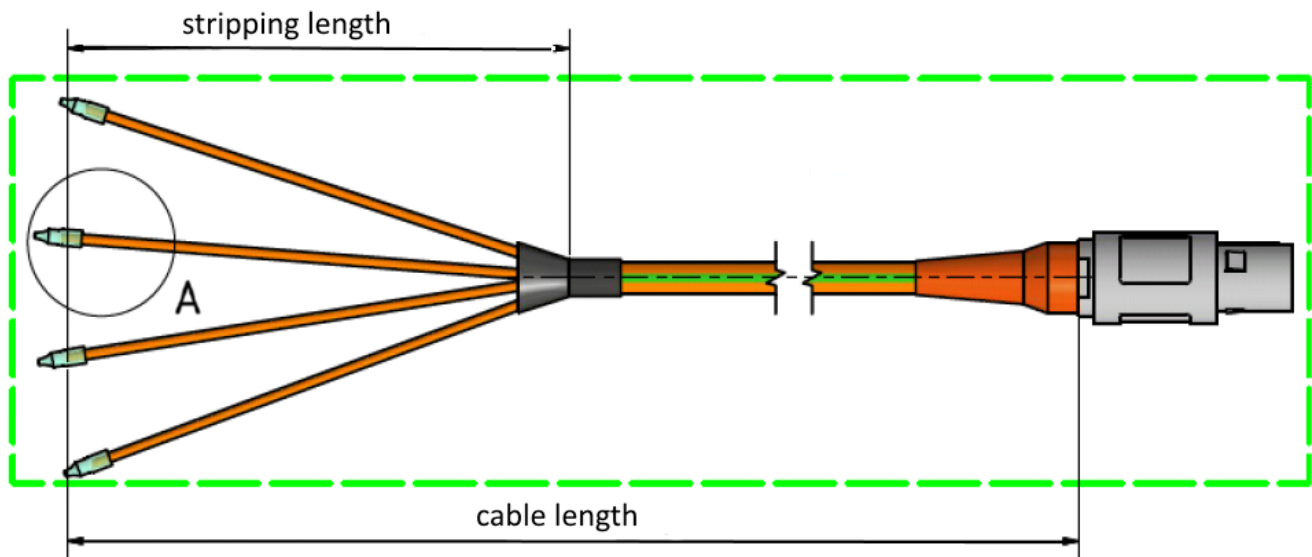


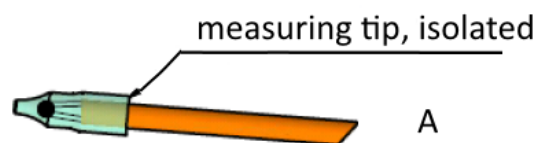
# imc Sensor Cable for HV

## 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 HISO8-T-2L



part designed for electrically safe handling



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

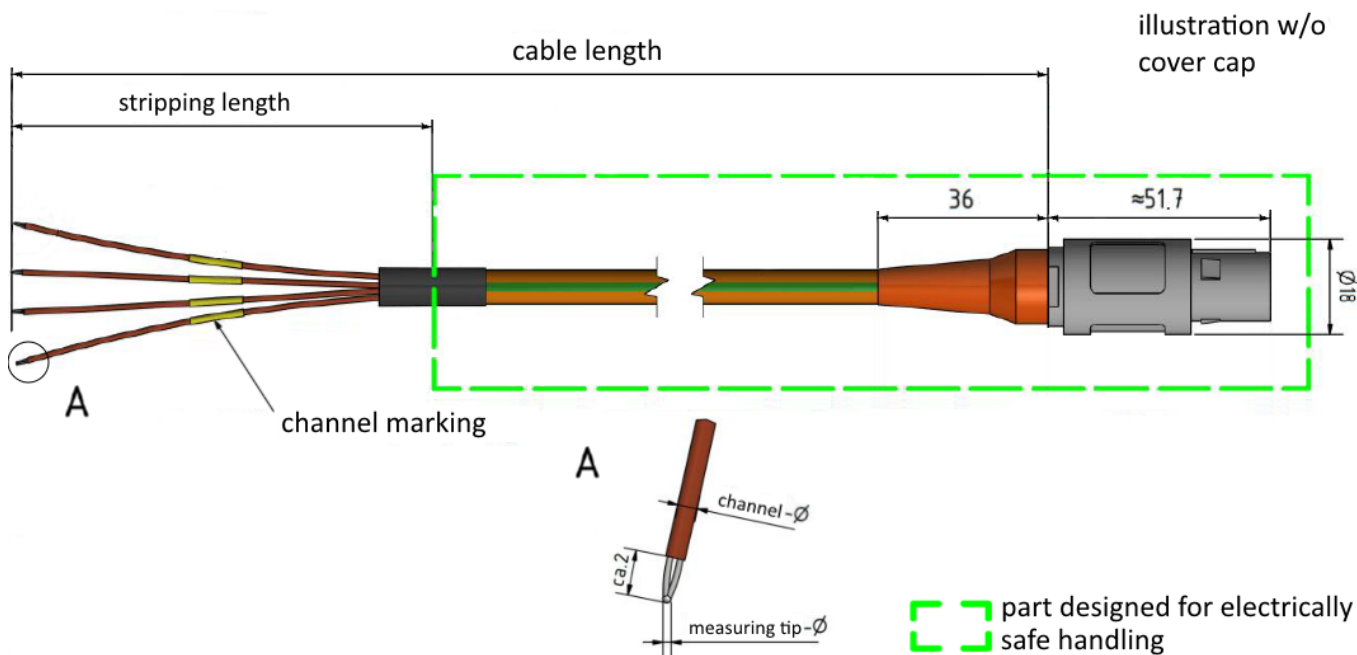
Order Code		article no.
ACC/SENSORCABLE-4HV-T-L-2M	cable length 2 m	1350283
ACC/SENSORCABLE-4HV-T-L-3M	cable length 3 m	1350284

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).

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

4-channel extra slim sensor cable with HV-capable LEMO.2P (Redel, 8-pin) plug, e.g. for HISO8-T-2L module



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	
ACC/SENSORCABLE-4HV-T-L-XS-3M	cable length 3 m - extra slim It is not safe to touch the stripped part of the cable.
	article no. 1350323
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).

### 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	+125°C permanent use ACC/SENSORCABLE-4HV-T-L(-2M/-3M) ACC/SENSORCABLE-4HV-T-L-XS-3M
Voltage strength via mantel of pairs via inner shell plug	1000 V 1000 V 1000 V	ACC/SENSORCABLE-4HV-T-L(-2M/-3M) ACC/SENSORCABLE-4HV-T-L-XS-3M
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	ACC/SENSORCABLE-4HV-T-L(-2M/-3M) ACC/SENSORCABLE-4HV-T-L-XS-3M
Channel- $\emptyset$	1 mm	ACC/SENSORCABLE-4HV-T-L-XS-3M
Measuring tip	2 mm, isolated (safe handling) blank (no safe handling)	ACC/SENSORCABLE-4HV-T-L(-2M/-3M) ACC/SENSORCABLE-4HV-T-L-XS-3M
Measuring tip- $\emptyset$	approx. 2.6 mm approx. 0.5 mm	ACC/SENSORCABLE-4HV-T-L(-2M/-3M) ACC/SENSORCABLE-4HV-T-L-XS-3M
Cable length ACC/SENSORCABLE-4HV-T-L-2M ACC/SENSORCABLE-4HV-T-L-3M ACC/SENSORCABLE-4HV-T-L-XS-3M	2400 mm 3400 mm 3400 mm	article no. 1350283 article no. 1350284 article no. 1350323
Stripping length	400 mm	