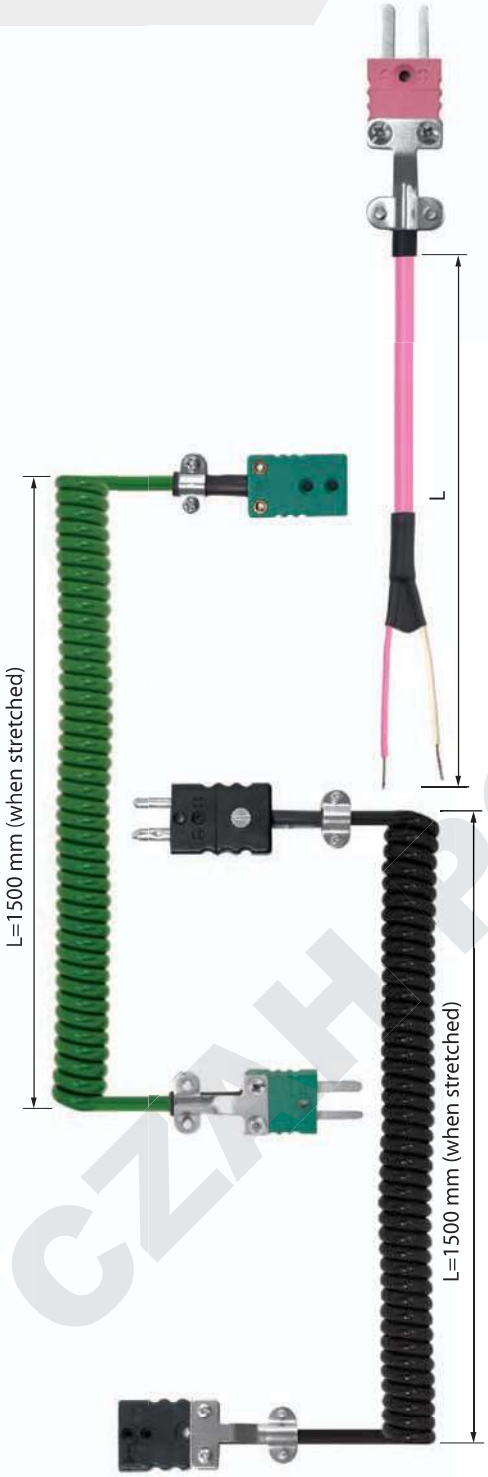
22

EXTENSION CABLES FOR RESISTANCE THERMOMETERS AND THERMOCOUPLES

Extension cables are intended to facilitate the installation of temperature sensors. They are practical for use and eliminate carring several meters of wire each time. For example you can have a hand held thermocouple connected to the previously placed extension cable.

The extension cables are available in many construction types, eg. they can be fitted with a miniature pin plug at one end and with a standard pin plug at the other end. Below listed extension cables can also be made as MI leads. For more information, please contact the Sales Department.



22	termination 1	cable type	cable length	termination 2

Give termination 1, see table 1 (if not requested, write 'WK for bare end) for a pin plug, specify a type: J, K, N, R or S for thermocouples and RTD for resistance thermometers

Give cable type, table 2

Give cable length [mm], for coiled cables write 0

Give termination 2, table 1 (if not requested, write WK for bare ends). for a pin plug, specify a type: J, K, N, R or S for thermocouples and RTD for resistance thermometers

TAB.	ORDERING CODE:			
22	MW1K	TS201	3000	SG1K

22 – MW1K – TS201 – 3000 – SG1K

Extention cable model 22 (thermocouple) terminated with a miniature plug at one end and with a standard jack type K at the other end. Terminals connected by a cable type TS201: Silicone insulated thermocouple wire 2x0,22 mm2, length Lp=3000 mm.

TAB.	ORDERING CODE:			
22	MW3RTD	SPRR	0	MG3RTD

22 – MW3RTD – SPRR – 0 – MG3RTD

Extention cable model 22 (RTD) terminated with a miniature 4-pin plug at one end and with a miniature 3-pin jack at the other end. Terminals connected by a coiled lead.

TAB.	ORDERING CODE:			
22	MW3RTD	RW401	10000	WK

22 – MW3RTD – RW401 – 10000 – WK

Extention cable model 22 (RTD) terminated with a miniature 4-pin plug at one end and insulated bare ends at the other end. Cable type RW401 4x0.22 mm² fiberglass insulated with a stainless steel overbraid, length Lp=10000 mm.

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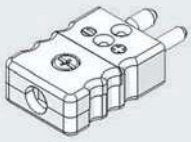
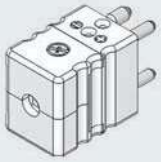
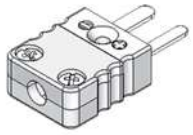
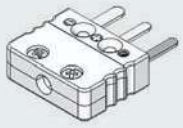
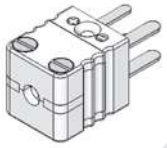
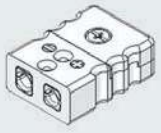
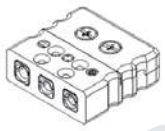
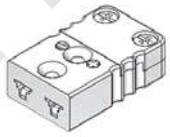
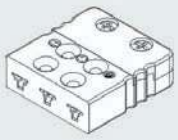
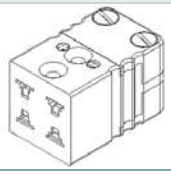
TAB. 1 TERMINAL CONNECTORS

TYPE	COMPENSATED CONNECTOR - PLUG
SW1 to 220 °C 2 pins	
SW2 to 220 °C 3 pins	
SW3 to 220 °C 4 pins	
MW1 to 220 °C 2 pins	
MW2 to 220 °C 3 pins	
MW3 to 220 °C 4 pins	

TYPE	COMPENSATED CONNECTOR – JACK
SG1 to 220 °C 2 pins	
SG2 to 220 °C 3 pins	
SG3 to 220 °C 4 pins	
MG1 to 220 °C 2 pins	
MG2 to 220 °C 3 pins	
MG3 to 220 °C 4 pins	

TAB. 2 LEAD WIRES

The sensors can be supplied complete with cables of various design. The following isulation types are available: PCV, PTFE, fiberglass, Kapton or combination of the mentioned materials. Standards cable sections are 0.22mm2 (7/0.2 mm). To choose the right cable, please see table D, page 54.

The most common cables:

thermocouple:
SPRT – 2x0.22 mm² – coiled lead (extended length is 1500 mm)
TS201 - 2x0,22 mm² – silicone insulated
TW204 - 2x0,22 mm² – fiberglass insulated / stainless steel overbraid
TT201 - 2x0,22 mm² – Teflon insulated
TT204 - 2x0,22 mm² - Teflon insulated / stainless steel overbraid

RTD cables:
SPRR – 3 lub 4x0,22 mm² – coiled lead (extended length is 1500 mm)
RS301 - 3x0,22 mm² – Silicone insulated / 3 wires
RS401 - 4x0,22 mm² – Silicone insulated/ 4 wired
RW301 - 3x0,22 mm² – fiberglass insulated/ steel overbraid, 3 wires
RW401 - 4x0,22 mm² – fiberglass insulated / steel overbraid, 4 wires