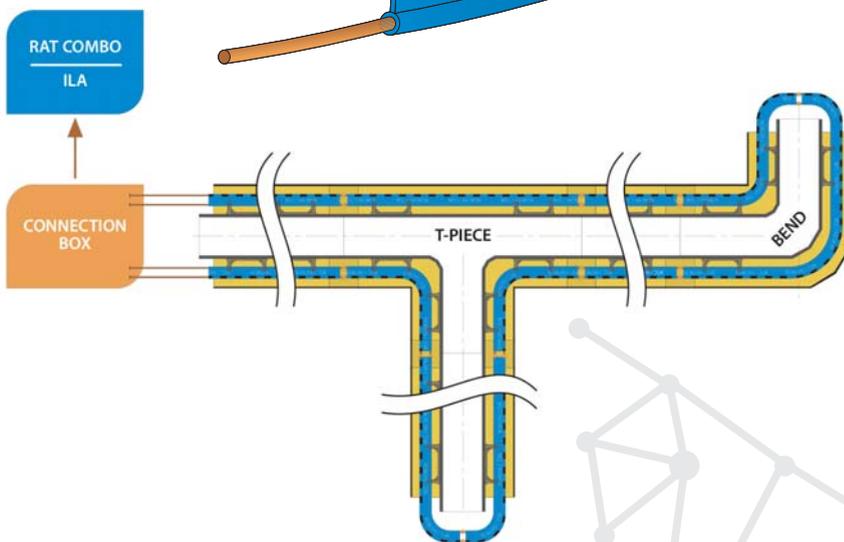




# SENSOR CABLE MSC-1

## MSC-1 Sensor cable

Our patented solution of two double-wire MSC-1 cables enables precise detection and location of faults in pre-insulated pipes, used in district cooling and heating. Fully insulated cables, mitigates the risk of false alarms, caused by condensation effect. It is also great solution for monitoring of pre-insulated plastic pipes, straight or PEX type, where using of conventional alarm wires is not efficient.

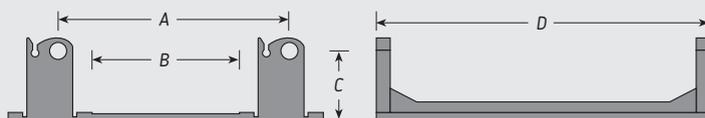
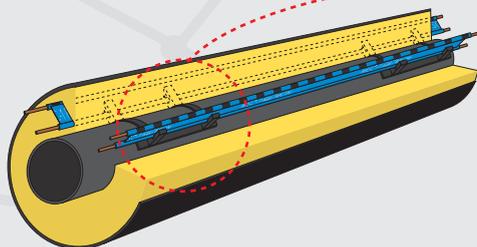


<b>General information:</b>	Fault detection and location
Application:	District heating and cooling Pre-insulated pipes: steel and plastic
Leak location:	Reflectometer (TDR)
<b>Technical data:</b>	
Cable insulation:	Insulation resistant to high temperature and oil
Cable wires:	2 parallel copper wire 2 x 0,98 mm
Dimensions:	8,3 x 2,2 mm
Working temperature:	-40°C to +120°C
Loop resistance:	30 Ω / 1 km of wire
VOP (velocity of propagation):	80% for polyurethane foam

# MSC-1 sensor cable

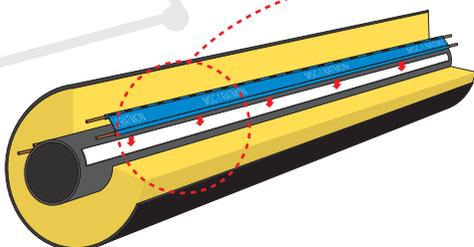
## Installation in pipes:

Double wire clip



A = 55,5 mm  
B = 35,5 mm  
C = 16,5 mm  
D = 80,0 mm

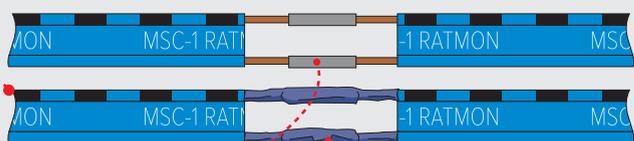
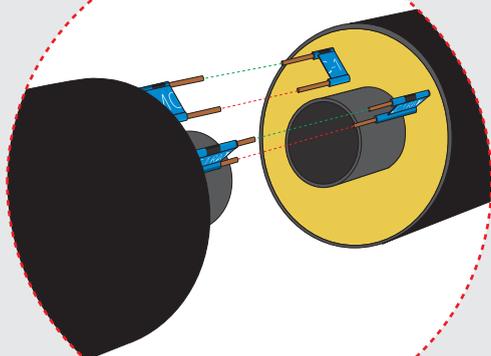
Self-adhesive foam tape



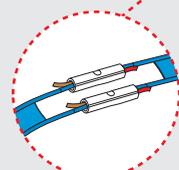
A = 10,0 mm



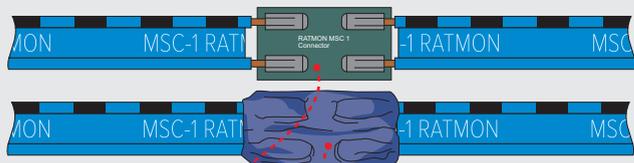
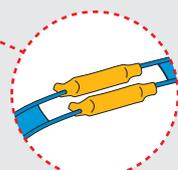
Connection between pipes



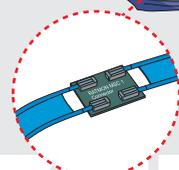
Crimp connector



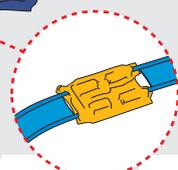
Heat shrink tube



Quick connector set



Heat shrink tube



## Optional accessories:

DESCRIPTION	PACKAGING	INDEX
Sensor cable	500 m	MSC-1
Cable clip	1500 pcs	CLIP-1
Adhesive tape	60 m	TAPE-1
Crimp connector	100 pcs	CON-1
Quick connector set	100 pcs	CON-2
Heat shrink tube	100 pcs	HST-1