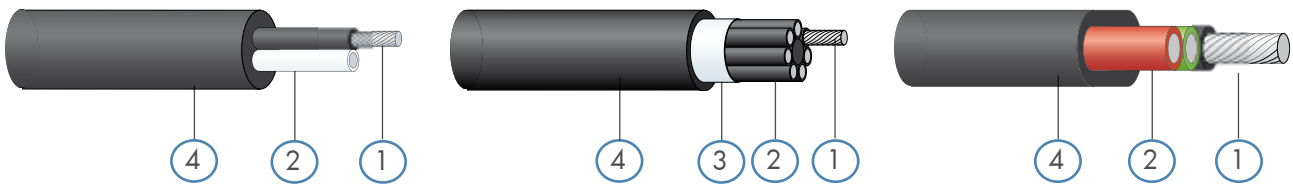


# RADOX® SENSOR CABLES

Number of conductors	1 to 50
Cross section	0.14 to 6 mm <sup>2</sup>
Voltage rating	60 to 600 V DC
Temperature range	(-55 °C) -40 °C to +150 °C (3000 h)



## Composition of cable

1. Conductor	stranded tinned or bare copper
2. Insulation	various RADOX®, fluoropolymers
3. EMC screen	copper braiding or aluminium tape
4. Jacket	various RADOX®, TPU or fluoropolymers

## Characteristics and specialities

- high and low temperature resistance
- ozone and weathering resistance
- resistant to pressure at high temperature
- resistant to motor oils, fuels and hydrolysis
- flame retardant
- high abrasion resistance
- easy to strip and process

## Application

Sensor cables for use in road vehicle applications.

## Standards

Conductor	General
DIN 72551 part 6	ISO 6722 class C and D
ISO 6722	ISO 14572
DIN EN 13602, Cu-ETP1-A (CW003A)	ADR TÜV Approval

For further technical details please refer to our data sheet.

# RADOX® SENSOR CABLES

## Customized cables to your requirements

- Round or flat cable?
- EMC shielding necessary?
- What degree of flexibility is required?
- Special temperature requirements?
- Special requirements for voltage rating, impedance, attenuation?
- Special chemical or environmental concerns?
- Potting or overmoulding?
- Special requirements on processing (crimping, welding, ultrasonic welding, etc.)?
- Approvals?

## Our leads



single- or two-coloured

Lead Type	Temperature Range	Cross-section	Designation
	3000 h	mm <sup>2</sup>	
RADOX® 155S RW	-55 °C to +150 °C	0.14 to 1	Following "Ultra Thin Wall" according to ISO 6722, excellent media resistance, for applications where a small diameter is required.
RADOX® 155S FLR	-55 °C to +150 °C	0.35 to 6	"Thin Wall" according to ISO 6722, excellent media resistance, for standard applications.
PEX	-40 °C to +125 °C	0.35 to 1	Databus cable with 110/120 Ω impedance.
ETFE FLR	-55 °C to +200 °C	0.35 to 6	"Thin Wall" according to ISO 6722, excellent media resistance, such as hot oil.

## Our jacket materials

Jacket Material	Temperature Range	Electron Beam Crosslinked	Mechanical Resistance	Flexibility	Media Resistance
	3000 h				
RADOX® Elastomer S	-70 °C to +150 °C	Yes	Very Good	Excellent	Excellent
RADOX® 155	-55 °C to +150 °C	Yes	Good	Good	Good
RADOX® 125M	-40 °C to +150 °C	Yes	Good	Very good	Good
TPU	-40 °C to +125 °C	No	Very Good	Excellent	Good