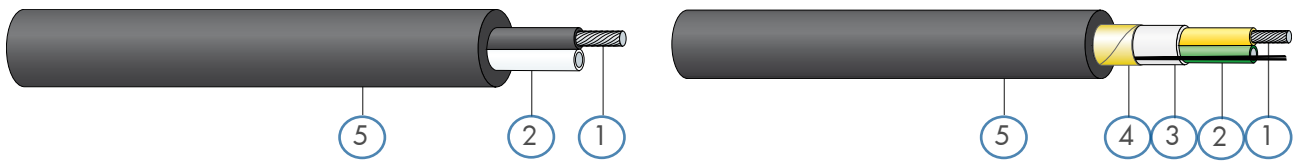


RADOX® DATABUS CABLES

Number of conductors	2
Cross section	0.35 - 0.75 mm ²
Voltage rating	60 V DC
Temperature range	(-55°C) -40°C to +125°C (+150°C) (3000 h)
Min. bending radius	4 x cable dia.



Composition of cable

1. Conductor	stranded tinned or bare copper
2. Insulation	various RADOX® insulation materials or PE-X
3. Sheath	various RADOX® jacket materials
4. Aluminium screen and drain wire	plastic laminated aluminium tape
5. Sheath	various RADOX® jacket materials or TPU

Characteristics and specialities

- excellent dielectric performance
- outstanding data transmission performance
- possible application in engine compartments
- high and low temperature resistance
- flame retardant

Application

Databus cable for transmitting information at high frequencies in road vehicles.

Standards

Conductor	General
DIN 72551 part 6	ISO 6722 class C and D
ISO 6722	ISO 14572
DIN EN 13602, Cu-ETP1-A (CW003A)	SAE J1939-11 /-15

For further technical details please refer to our data sheet.

RADOX® DATABUS CABLES

Extract from our delivery programme

Cable types

Cross-section mm ²	Conductor			Core		Screen	Outside diameter
	construction* n x mm	Diameter max. mm	resistance @ 20 °C max. Ω/km	wall thickness min. mm	Diameter mm	aluminium tape	mm
2 x 0.35	7 x 0.26	0.77	52.0	0.66	2.1	No	5.6
2 x 0.50	19 x 0.18	0.89	37.1	0.80	2.5	No	6.2
2 x 0.75	19 x 0.22	1.10	24.7	0.95	3.0	No	7.2
2 x 0.35	7 x 0.26	0.77	52.0	0.66	2.1	Yes	8.0
2 x 0.50	19 x 0.18	0.89	37.1	0.80	2.5	Yes	8.3
2 x 0.75	19 x 0.22	1.10	24.7	0.95	3.0	Yes	10.7

* typical value x max. single wire diameter

Jacket materials

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