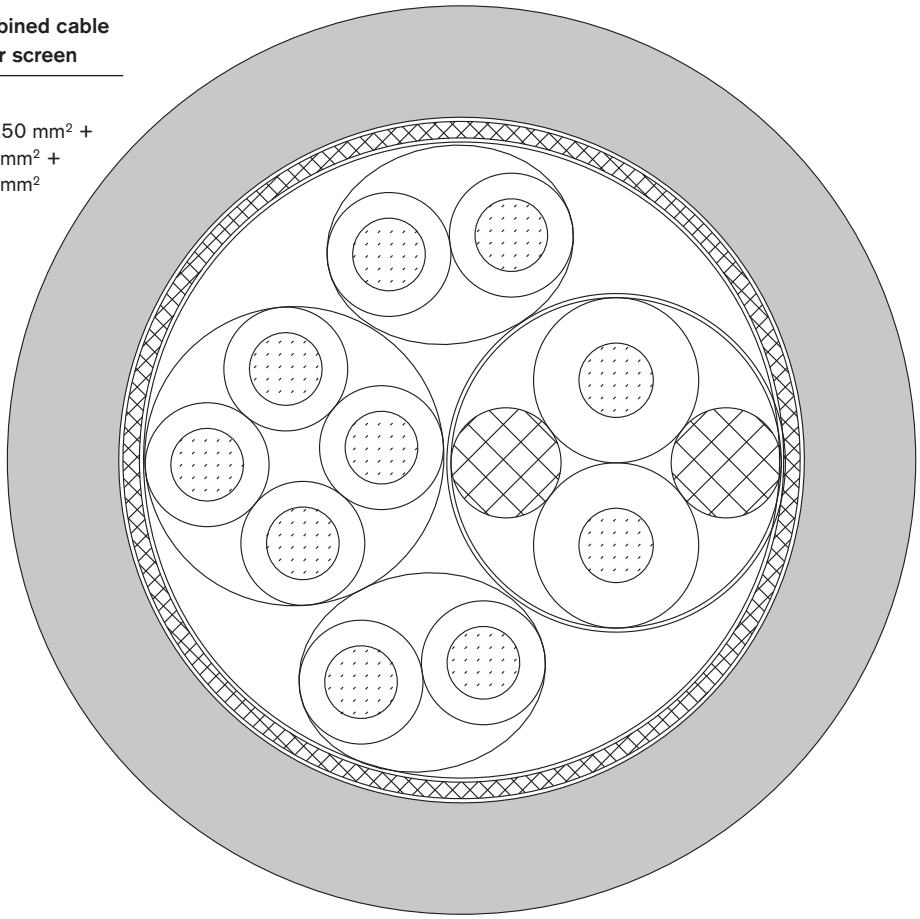
Example: CAN-Bus cable

RoHS

Halogen-free combined cable with overall copper screen

item no. 63359002

cross sections: 2 x 2 x 0.50 mm² + 4 x 0.50 mm² + 2 x 0.50 mm²



Construction:

Conductor:	tinned copper strands, fine wires with reference to DIN VDE 0812
Insulation:	SABIX® 231 thermoplastic material and 02YI1 acc. to DIN VDE 0819 part 103 (for 2 x 0.50 mm²)
Stranding:	pairs and quads twisted together in layers
Screen:	tinned copper braiding, optical coverage ≥ 85%
Sheath material:	SABIX® 263 thermoplastic material
Sheath colour:	black (RAL 9005)
Marking:	SAB BRÖCKSKES · D-VIERSEN · SO. SABIX CAN-BUS-LEITUNG

Technical data:

Peak operating voltage:	max. 450 V
Testing voltage:	core/core 1000 V (DC) core/screen 1500 V (DC)
Min. bending radius *flexible application:*	10 x d
Temperature range *fixed laying:* *flexible application:*	-40/+70 °C -30/+70 °C
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Fire performance:	no flame propagation acc. to IEC 60332 + EN 60332 category C resp. D (see page N/19) flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Characteristic impedance:	acc. to VDE 0472 part 516 at 1 Mhz: 120 Ω ± 10% (CAN-Bus)
Image attenuation constant:	acc. to VDE 0472 part 515 at 1 Mhz: approx. 1.5 dB/100 m (CAN-Bus)
Mutual capacitance:	acc. to VDE 0472 part 504 test method: approx. 15 nF/km (CAN-Bus)
Oil resistance:	acc. to EN 60811-2-1 section 10 + VDE 0473 part 811-2-1 section 10
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17