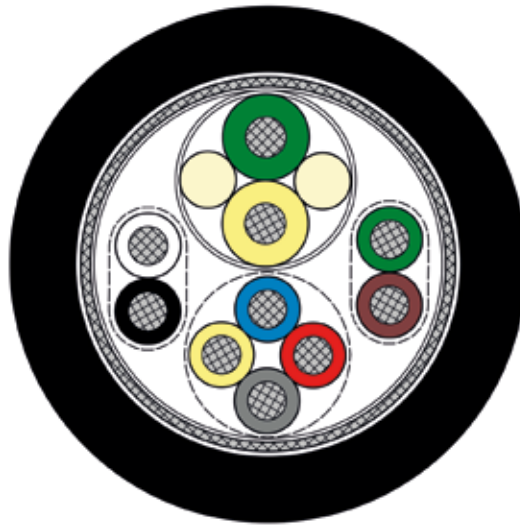


# Hybrid and Special Cables

## Example: CAN-Bus cable

halogen-free combined cable with overall copper screen



### Construction:

<b>Conductor:</b>	tinned copper strands, fine wires with reference to VDE 0812
<b>Insulation:</b>	SABIX® thermoplastic material and 02Y11 acc. to EN 50290-2-23 + VDE 0819-103 (for 2 x 0.50 mm <sup>2</sup> )
<b>Stranding:</b>	pairs and quads twisted together in layers
<b>Screen:</b>	tinned copper braiding, optical coverage ≥ 85%
<b>Sheath material:</b>	SABIX® thermoplastic material
<b>Sheath colour:</b>	black (RAL 9005)
<b>Marking:</b>	SAB BRÖCKSKES · D-Viersen · SO. SABIX® CAN-BUS-LEITUNG

### Technical data:

<b>Peak operating voltage:</b>	max. 450 V
<b>Testing voltage:</b>	core/core 1000 V (DC) core/screen 1500 V (DC)
<b>Min. bending radius</b> <i>flexible application:</i>	10 x d
<b>Temperature range</b> <i>fixed laying:</i> <i>flexible application:</i>	-40/+70 °C -30/+70 °C
<b>Halogen-free:</b>	acc. to 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	no flame propagation nach IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 cat. C resp. D, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Characteristic impedance:</b>	acc. to EN 50289-1-11 nom. 120 Ω (CAN-Bus)
<b>Oil resistance:</b>	acc. to EN 60811-507 section 10 + VDE 0473-811-507 section 10
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	dimension	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
63359002	2 x 2 x 0,50 mm <sup>2</sup> + 4 x 0,50 mm <sup>2</sup> + 2 x 0,50 mm <sup>2</sup>	11,0	79,6	160