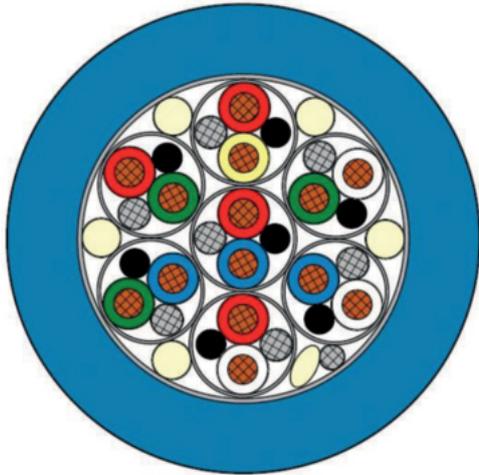


# Cables for marine technology

## Special cable

Data cable with PUR outer sheath and foil-shielded data pairs for deep-sea use



**OPERATING DEPTH**  
up to **3.000 metres**

### Construction:

<b>Conductor:</b>	bare copper strands, fine wires
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	red/blue, red/yellow, red/green, green/blue, white/red, white/blue, white/green
<b>Stranding:</b>	cores twisted to pairs, pairs twisted in layers
<b>Wrapping:</b>	foil
<b>Sheath material:</b>	PUR with smooth surface
<b>Sheath colour:</b>	sky blue (RAL 5015)
<b>Marking:</b>	SAB BRÖCKSKES · D-VIERSEN · Special Cable 7x(2x0,50mm <sup>2</sup> )ST and current meter marking

no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight in salt water ≈ kg/km	cable weight in air ≈ kg/km	ohmic resistance at 20 °C max. Ω/km
7 x (2 x 0,50)	0,18	12,7	105,6	79	209	39,0

Other dimensions and colours are possible on request.

### Technical data:

Peak operating voltage	Testing voltage	Temperature range	Min. bending radius	Impedance
max. 600 V	core/core: 2500 V core/screen: 2500 V	fixed laying: -50/+90 °C flexible application: -40/+90 °C	fixed laying: 120 mm flexible application: 150 mm	1 MHz 4,6 dB/100 m 4 MHz 8,5 dB/100 m 10 MHz 12,6 dB/100 m

Halogen-free	Oil resistance	Chemical resistance	Impedanz	Capacity
acc. to IEC 60754-1 + VDE 0482-754-1	very good - PUR, TMPU acc. to EN 50363-10-2 + DIN VDE 0207-363-10-2	good against acids, alkalines, solvents, hydraulic liquids etc.	1-10 MHz, 50,4-59,6 Ω	97-107 pF/m

Resistances	Absence of harmful substances
good resistance against UV rays, ozone and vapours as well as resistant to fresh and salt water	acc. to RoHS directive of the European Union

- high tensile strength
- high tear strength
- high abrasion resistance
- high notch resistance
- high shear strength

