

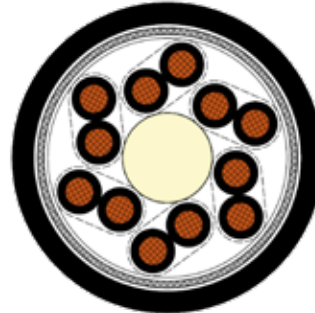


Resolver cables

Flexible and robust data cable for use on resolver



Marking for L0390-9696:
SAB BRÖCKSKES · D-VIERSEN · Special Cable
5x2x0,50mm² 0390-9696 CE (SAB Ident. Nr.)



Marking for L0390-9721:
SAB BRÖCKSKES · D-VIERSEN · Special Cable
6x2x0,50mm² 0390-9721 CE (SAB Ident. Nr.)

Construction

Conductor:	bare copper strands, extra fine wires, class 6 acc. to IEC 60228
Insulation:	SABIX®
Colour code:	L0390-9696: DIN 47100 1 – 10 L0390-9721: black cores with consecutive numbers 1 - 12
Stranding:	cores twisted to pairs + optimized twisting of pairs in layers, filler in centre
Screen:	laminated alu foil with overlap wrapping, tinned copper braiding, optical coverage ≥ 85%
Banding:	overlapping non-woven tape
Sheath material:	PUR
Sheath colour:	black (similar RAL 9005)

Technical Data

Peak operating voltage:	max. 350 V
Testing voltage:	core/core 1500 V core/screen 1200 V
Min. bending radius:	fixed laying: 5 x d flexible application: 10 x d
Temperature range:	fixed laying: -50/+90 °C flexible application: -40/+90 °C limited time of use: +125 °C (2000 h)
Low temperature resistance:	-50°C acc. to DIN EN 60811-506
Fire performance:	acc. to IEC 60332-1-2
Halogen-free:	acc. to IEC 60754-1
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
MUD resistance:	very good - acc. to IEC 60092-360, IEC 61892-4, NEK TS 606
UV resistance:	acc. to HD 605 S1
Ozone resistance:	acc. to DIN EN 50396
Saltwater resistance:	acc. to UL 1309
Mechanical characteristics by the outer sheath:	high tensile strength ✓ high tear strength ✓ high abrasion resistance ✓ high notch resistance ✓ high shear strength ✓
Absence of harmful substances:	acc. to RoHS directive of the European Union

item no.	core-Ø ≈ mm	Conductor-Ø ≈ mm	outer-Ø ±0,5 mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance bei 20 °C / max. Ω/km
L0390-9696	1,50	1,00	9,50	77,8	104	39,0
L0390-9721	1,50	1,00	9,50	85,5	118	39,0

Other dimensions and colours are possible on request.