

Highly flexible DC charging cable



Outstanding features:



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

Construction:

Conductor:	bare copper strands, fine wires acc. to IEC 60228, VDE 0295, class 6
Insulation:	SABIX®
Colour code:	0,75mm ² : orange, blue, white, purple, brown, grey 25,0mm ² : green-yellow 35,0mm ² : black, red
Stranding:	0,75mm ² : cores twisted to pairs, pairs stranded in layers
Wrapping:	non-woven tape
Screen:	0,75 mm ² : tinned copper braiding
Inner sheath:	0,75 mm ² : PUR, black (RAL 9005)
Stranding:	all elements stranded in layers, filler in centre and interstices
Wrapping:	non-woven tape
Sheath material:	PUR
Sheath colour:	black (RAL 9005)
Marking:	SAB BRÖCKSKES · D-VIERSEN · DC-Ladekabel 2x35,00mm ² +1G25,0mm ² +(3x2x0,75 mm ²)C 0390-9594 CE

item no.	dimension	outer-ø approx. mm	copper figure kg/km	cable weight ≈kg/km
03909594	2 x 35,0 mm ² + 1 x 25,0 mm ² + (3 x 2 x 0,75 mm ²) C	25,6	979,0	1275

Construction:

Nominal voltage	Testing voltage at 50 Hz	Temperature range
0,75 mm ² : U ₀ /U 300/500 V DC 25,0 mm ² + 35,0 mm ² : U ₀ /U 0,6/1 kV DC	0,75 mm ² core/core: 2000 V AC 0,75 mm ² core/screen: 2000 V AC 25,0 mm ² + 35,0 mm ² core/core: 4000 V AC	fixed laying: -50/+90 °C flexible application: -40/+90 °C in case of short circuit: +160 °C (max 5 sec.)

Min. bending radius	Fire performance	Halogen-free	Hydrolysis resistance
fixed laying: 5 x d flexible application: 7,5 x d	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to EN 50363-10-2

Ozone resistance	Sunlight resistance	Weather resistance	Low temperature flexibility
acc. to EN 50396	acc. to HD 605	very good	very good

Oil resistance	Chemical resistance	Absence of harmful substances
very good - TMPU acc. to EN 50363-10-2 (tested acc. to EN 60811-404)	good against acids, alkalines, solvents, hydraulic liquids, etc.	acc. to RoHS directive of the European Union