## HV measuring cable (DC)

High-voltage multi-conductor shielded cable for DC Voltage Measurement, scoop-proof



< RoHS ✓

## SKES · D-VIERSEN · &HV-Measuring (2x0.25mm²) & CE

Marking for HV measuring cable 38339800:

SAB BRÖCKSKES · D-VIERSEN · 4HV-Messleitung (2x0.25mm²) ₺ (€

Application: This high voltage measuring cable is used in the development of electric vehicles where scoop-proof testing & measuring of up to 1000 V DC operating voltage and application in the high voltage environment of electromobility takes place. Examples of applications are HV power electronics, HV batteries, electric motors, inverters, etc. High voltage measuring cables are used on the test benches and in test vehicles.

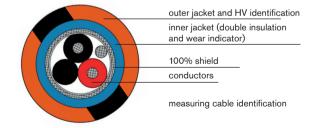
## Construction: tinned copper strands, extra fine wire Conductor: FEP Insulation: Color code: Stranding: in layers with tinned copper drain wire, AWG 24 Shielding: alu foil and tinned copper braiding FEP - blue acc. to RAL 5024 Inner jacket: Jacket material: PUR Jacket color: orange with black vertical stripes

		Outstanding features:			
	•	temperature resistance up to +150°C (up to 3000 hours)			
		high flexibility			
		high abrasion resistance			
		easy harnessing			

item no.	AWG/c	nominal inch	outer-ø mm	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
38339800	24 AWG/2c	0.256	6.5	41	80.0
38339819	22 AWG/2c	0.264	6.7	40	58.8
38339801	20 AWG/2c	0.280	7.1	50	40.1
38339802	18 AWG/2c	0.307	7.8	63	20.0
38339803	16 AWG/2c	0.331	8.4	76	13.7

Other dimensions and colors are available on request

	Technical data:			
Scoop-proof Testing voltage:	1000 V DC over the blue inner jacket 5000 V AC over the blue inner jacket			
Operating voltage:	1000 V DC			
Testing voltage:	conductor/conductor: 5000 V AC conductor/shielding: 5000 V AC			
Min. bending radius: fixed installation: flexible application:	2 x O.D. 10 x O.D.			
Temperature range: static flexible: limited use time:	-50/+125°C -40/+125°C +150°C (up to 3.000 hours)			
Low temperature resistance:	-50°C acc. to DIN EN 60811-506			
Temperature range of conductors:	up to +180°C (short time use up to 205°C)			
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2			
Approvals:	RoHS			
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30			





## Possible on request:

also possible as harnessed measuring cable with connected lab plugs to collect the tension at HV components.

