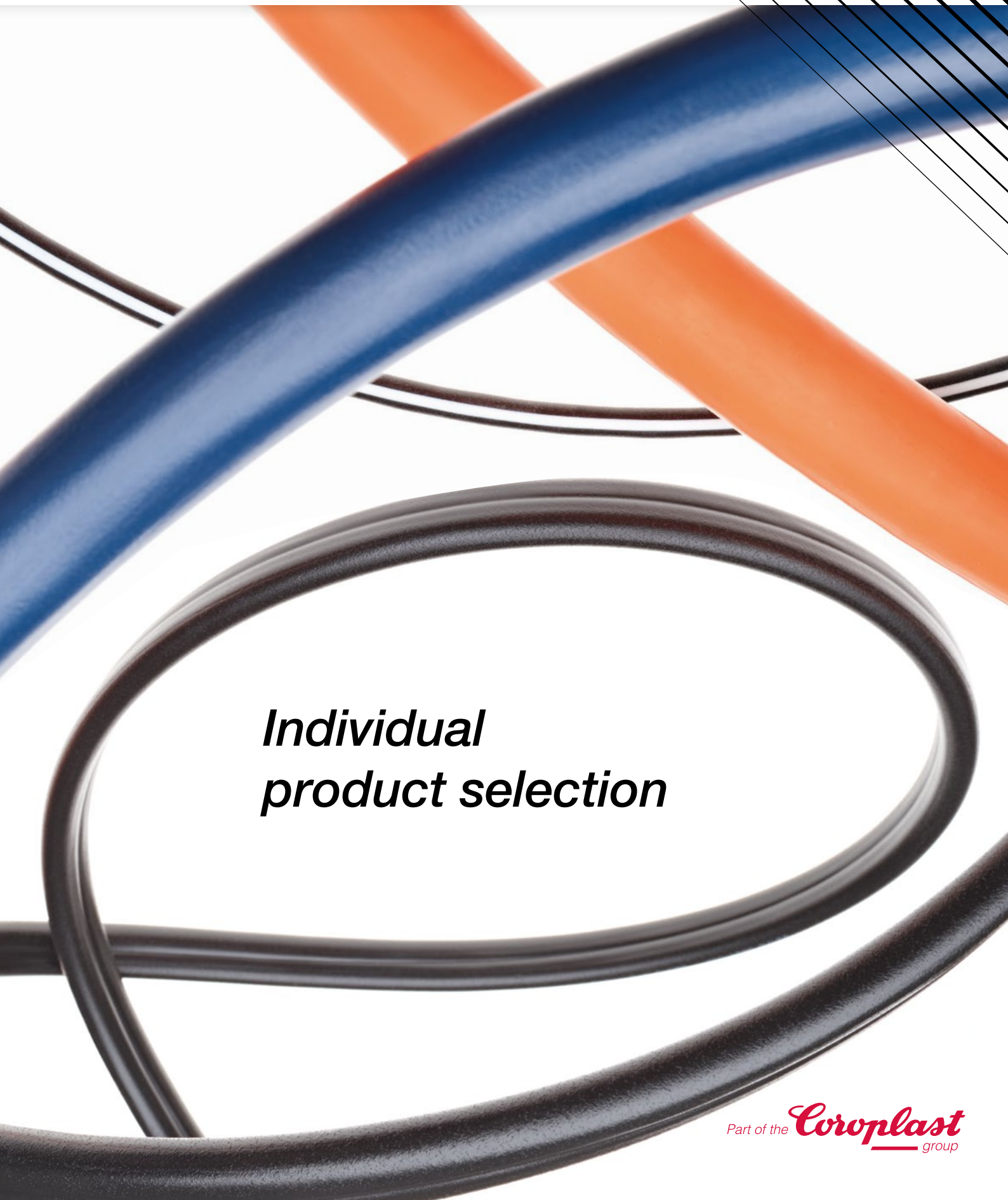
Coroflex



Individual product selection

Part of the Coroplast group

High-Voltage Cables COROFLEX 180HV USC - FHL2G

Unshielded Copper High-voltage Cables for Hybrid- and Battery Vehicles - Temperature Class +180 °C.

Applications

Unshielded copper high voltage cables for hybrid and battery vehicles.

Conductor cross-sections can be optimized thanks to our Coroflex high-voltage cables - because they are suitable for rated voltages of up to 600 volts a.c. / 1,000 volts d.c. and withstand temperatures of up to 180 °C. With our simulation capabilities, we are able to calculate conductor heating as a function of current loads and operating ambient temperatures. Our derating simulations enable you to define your optimum conductor cross-sections - and thus reduce weight, packaging space and costs.

Characteristics

-
- Low Bending Radii
- Reliable Insulation Resistance
- Excellent Sealing Properties
- Talc-free Surfaces
- High Performance Silicone
- Weight Saving Potentials



High-Voltage Copper Cables, Single-Core, Unshielded

Coroflex	CORES		CORE		RESISTANCE (d.c. 20 °C) (max.)	CABLE WEIGHT
TYPE NO.	NO.	SIZE	DIAMETER [mm]		CONDUCTOR [mΩ/m]	approx. [g/m]
9-2652	1 x	4.0 mm²	4.40	-0.4	4.71	44
9-2652	1 x	95 mm²	17.40	-1.0	0.196	963
9-2652	1 x	85 mm²	16.20	-1.0	0.219	844
9-2652	1 x	70 mm²	15.10	-0.8	0.259	715
9-2652	1 x	60 mm²	14.20	-0.8	0.315	602
9-2652	1 x	50 mm²	13.20	-0.8	0.368	507
9-2652	1 x	40 mm²	11.90	-0.7	0.473	419
9-2652	1 x	35 mm²	11.00	-0.7	0.527	350
9-2652	1 x	30 mm²	10.40	-0.7	0.647	303

Coroflex	CORES		CORE		RESISTANCE (d.c. 20 °C) (max.)	CABLE WEIGHT
TYPE NO.	NO.	SIZE	DIAMETER [mm]		CONDUCTOR [mΩ/m]	approx. [g/m]
9-2652	1 x	25 mm²	10.00	-0.6	0.743	265
9-2652	1 x	20 mm²	8.70	-0.6	0.955	211
9-2652	1 x	16 mm²	8.30	-0.6	1.16	166
9-2652	1 x	12 mm²	7.20	-0.6	1.52	134
9-2652	1 x	10 mm²	6.50	-0.6	1.82	107
9-2652	1 x	6.0 mm²	5.00	-0.4	3.14	65
9-2652	1 x	120 mm²	19.50	-1.0	0.153	1220

EMEA region

Would you like to receive more information about our high-voltage and charging cables? You are welcome to contact us at any time.

Christian Eck

Key Account Manager

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