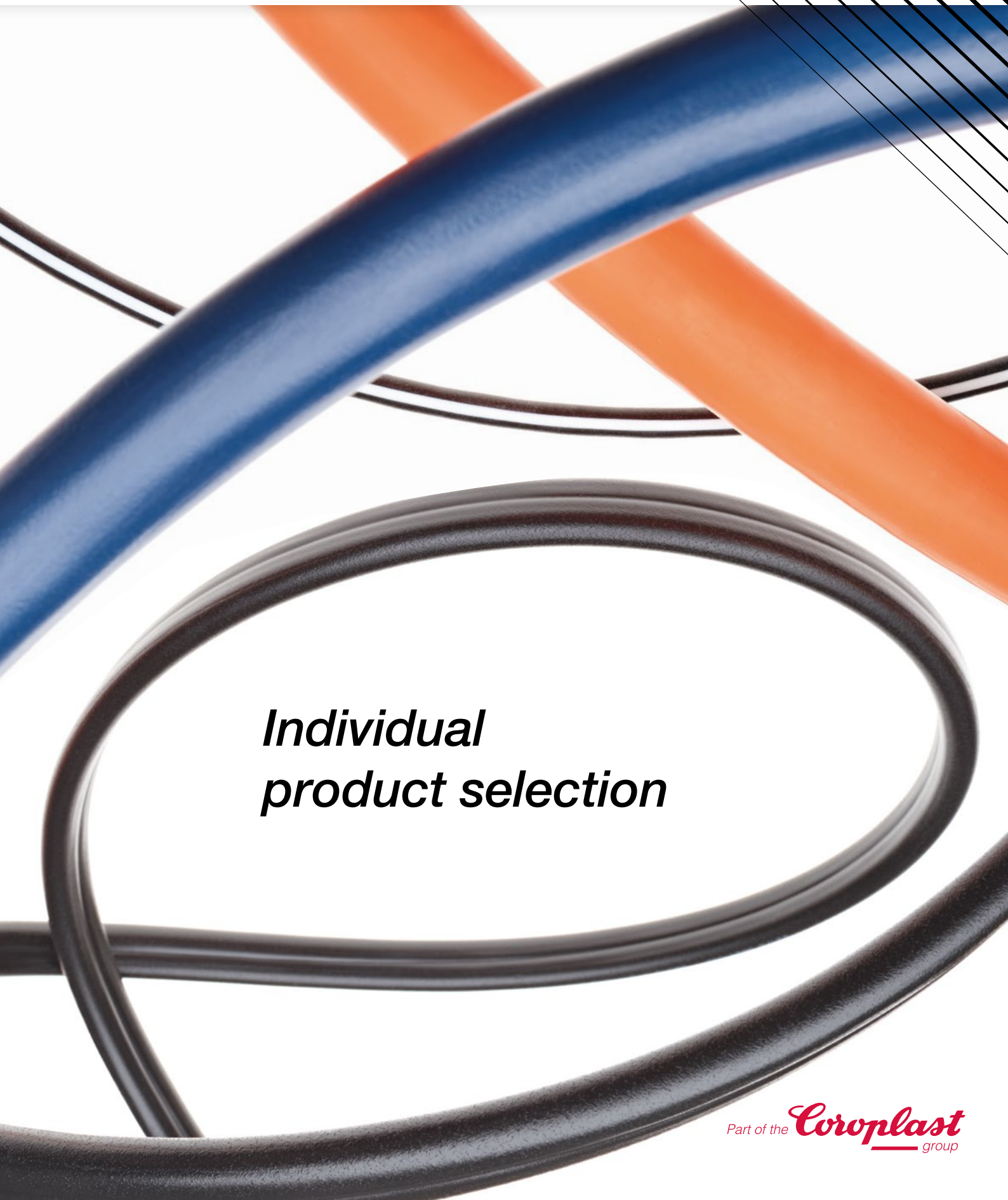
Coroflex



Individual product selection

Part of the Coroplast group

High-Voltage Cables COROFLEX 180HV SSC - FHLR2GCB2G

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

Applications

Shielded 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, Shielded

Coroflex	CORES		CORE		OUTER SHEATH		RESISTANCE (d.c. 20 °C) (max.)		CABLE WEIGHT
TYPE NO.	NO.	SIZE	DIAMETER [mm]		DIAMETER [mm]		CONDUCTOR [mΩ/m]	SCREEN [mΩ/m]	approx. [g/m]
9-2611	1 x	4.0 mm²	3.70	-0.3	5.80	-0.5	4.71	13.8	70
9-2611	1 x	95 mm²	17.20	-1.4	20.90	-0.8	0.196	1.9	1150
9-2611	1 x	85 mm²	15.80	-1.4	19.80	-0.8	0.219	2.7	1030
9-2611	1 x	70 mm²	14.40	-1.4	18.20	-0.8	0.259	2.7	880
9-2611	1 x	60 mm²	13.30	-1.2	16.90	-0.6	0.315	3.0	740
9-2611	1 x	50 mm²	12.20	-0.7	15.80	-0.6	0.368	3.7	630
9-2611	1 x	40 mm²	11.10	-0.7	15.00	-0.6	0.473	3.3	551
9-2611	1 x	35 mm²	10.50	-0.7	14.40	-0.6	0.527	3.8	485
9-2611	1 x	30 mm²	9.60	-0.7	13.40	-0.6	0.647	3.8	415

Coroflex	CORES		CORE		OUTER SHEATH		RESISTANCE (d.c. 20 °C) (max.)		CABLE WEIGHT
TYPE NO.	NO.	SIZE	DIAMETER [mm]		DIAMETER [mm]		CONDUCTOR [mΩ/m]	SCREEN [mΩ/m]	approx. [g/m]
9-2611	1 x	25 mm²	8.80	-0.6	12.20	-0.6	0.743	4.4	345
9-2611	1 x	20 mm²	7.80	-0.6	11.00	-0.6	0.955	6.6	273
9-2611	1 x	16 mm²	7.20	-0.6	10.20	-0.6	1.16	7.6	221
9-2611	1 x	12 mm²	6.50	-0.6	9.50	-0.6	1.52	7.7	187
9-2611	1 x	10 mm²	6.00	-0.6	8.80	-0.6	1.82	9.1	161
9-2611	1 x	6.0 mm²	4.30	-0.3	6.50	-0.5	3.14	11.2	96
9-2621	1 x	120 mm²	19.00	-1.4	23.00	-0.8	0.153	1.7	1455

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

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