Charging cable for electric vehicles
FLEXICS® CHARGE EVC

Application: Halogen-free cables are intended for charging electric vehicles. For Laying in dry and damp areas and outdoors. The cable is largely chemical- and oil-resistant.

The current carrying capacity is regulated in EN 50620 and is based on a temperature of 60°C at the conductor. It is important to note that the surface temperature of the cable should not exceed 50°C to minimise an unwanted reaction when the skin is unprotected.

Suitable for charging mode 2 and 3 (450/750 V)

Construction and technical data:

Standard:	EN 50620, IEC 62893, VDE 0285-620
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	halogen-free EVI-2
Pilot conductor:	copper, bare, class 5, halogen free, EVI 1, white
Core wrapping:	fleece
Sheathing material:	polyurethan EVM-1
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	ISO 4892-2
Oil-resistant:	EN 60811-404
Ozone-resistant:	VDE 0473-811-403/IEC 60811-403
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
Permitted outer cable temperature, fixed, °C:	-40 - +90 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °C
Bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	15 x Ø

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Nominal voltage Uo: 450 V

Nominal voltage U: 750 V

Test voltage: 2.5 kV

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
053733	05G2,5 + 0,5 BK	7.98	20	12.7	130	222
053735	05G6 + 0,5 BK	3.3	38	16.5	293	429

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000

