

Charging cable for electric vehicles

H07BZ5-F FLEXICS[®] CHARGE EVC



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

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.

H07BZ5-F FLEXICS® CHARGE EVC

Nominal voltage U_o: 450 V

Nominal voltage U: 750 V

Test voltage: 2.5 kV

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

part no.	part name	RI [Ohm/km]	I _{bl} [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

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000