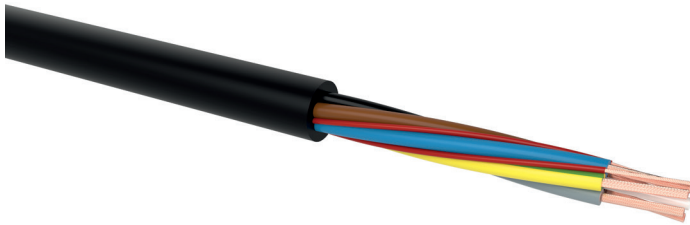


FLEXICS® CHARGE EVC H07BZ5-F

VDE approved charging cable for electro vehicles

DESIGN



- 1 | Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228 (optional tinned copper wires)
- 2 | Power supply cores of special halogen-free compound based on cross-linked polymer (XLPE), compound type EVI-2
- 3 | Control core insulation of special thermoplastic elastomer, compound type EVI-1 or special cross-linked polymer (XLPE), compound type EVI-2
- 4 | Power supply cores stranded together with control cores and construction-related fillers (optional)
- 5 | Non-woven tape separation (optional)
- 6 | Outer sheath of special thermoplastic halogen-free flame retardant compound based on polyurethane (PUR), compound type EVM-1

APPLICATION

Our FLEXICS® CHARGE EVC cables have been developed especially as charging cables for electro vehicles.

TECHNICAL DATA



Standard:
EN 50620; IEC 62893



Rated voltage:
450/750 V (U₀/U)



Test voltage:
core / core 2500 V / 50 Hz



Temperature range:
operating temperature: -40 °C up to 90 °C



Bending radius (min.):
fixed installation: 5 x Ø of cable
flexible use: 15 x Ø of cable



Core identification:
colour code acc. to HD 308 S2 with one or two control / pilot core(s) coloured and numbered



Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant
halogen-free: EN 5052:2011 Annex B or IEC 62821-1:2015 Annex B



Certificate:
VDE Certificate No. 40052200

Number of cores x nominal cross-section (mm ²)	CC / CP Cores (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® CHARGE EVC H07BZ5-F				
3 x 1.5	1...2 x 0,5...1,0	9.1	48.0	110
3 x 2.5	1...2 x 0,5...1,0	10.2	76.8	152
3 x 4	1...2 x 0,5...1,0	12.3	120.0	225
3 x 6	1...2 x 0,5...1,0	13.5	177.6	296
4 x 2.5	1...2 x 0,5...1,0	11.7	100.8	196
4 x 4	1...2 x 0,5...1,0	13.6	158.4	281
4 x 6	1...2 x 0,5...1,0	15.4	235.2	382
5 x 2.5	1...2 x 0,5...1,0	12.7	124.8	230
5 x 4	1...2 x 0,5...1,0	15.4	196.8	344
5 x 6	1...2 x 0,5...1,0	16.5	292.8	446

Technical changes reserved. All figures are therefore without guarantee.

Metal weight is theoretically calculated with one CC/CP core 0,5mm² and can vary depending on the desired construction.

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