



FLEXICS® CHARGE EVC H07BZ5-F

VDE approved charging cable for electro vehicles

COMMERCIAL VEHICLES AND EVC CABLES

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



TECHNICAL DATA



Standard
EN 50620; IEC 62893



Certificate
VDE Certificate No. 40052200



Test Voltage
2500 V / 50 Hz



Rated Voltage
450/750 V (Uo/U)



Bending radius (min.)
Fixed installation: 5 x ϕ of cable
Flexible use: 15 x ϕ of cable



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

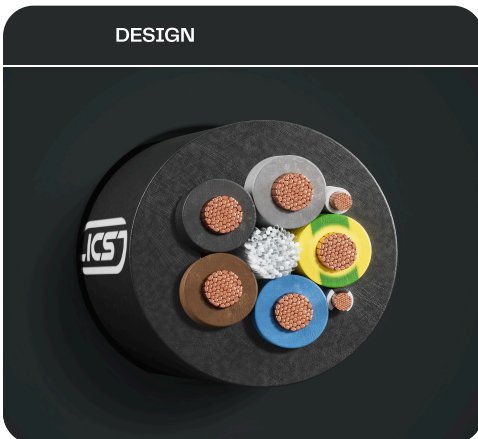


Core identification
Colour code acc. to HD 308 S2 with one or two control / pilot core(s) coloured and numbered



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

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

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


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