We Make Modern Life Possible.

COMMERCIAL VEHICLES AND EVC CABLES

FLEXICS® CHARGE EVC H07BZ5-F



VDE approved charging cable for electro vehicles

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 Ø of cable
Flexible use: 15 x Ø 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 (mm²)	CC / CP Cores (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.



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