



We Make Modern
Life Possible

INDUSTRIAL CABLES

FLEXICS® CHARGE EVC H07BZ5-F

VDE approved charging cable 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: $5 \times \varnothing$ of cable
Flexible use: $15 \times \varnothing$ of cable



Temperature range

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



Fire properties

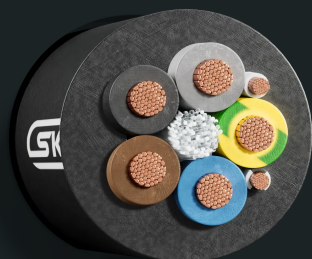
EN 60332-1-2: self-extinguishing and flame
retardant
halogen-free: EN 5052:2011 Annex B or IEC
62821-1:2015 Annex B



Core identification

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

DESIGN



Bare copper conductors, fine wires class 5 according to
DIN EN 60228 / VDE 0295 / IEC 60228 (optional tinned
copper wires)



Power supply cores of special halogen-free compound
based on cross-linked polymer (XLPE), compound type
EVI-2



Control core insulation of special thermoplastic elastomer,
compound type EVI-1 or special cross-linked polymer
(XLPE), compound type EVI-2



Power supply cores stranded together with control cores
and construction-related fillers (optional)



Non-woven tape separation (optional)



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)	Total weight appr. (kg/km)
3 x 1.5	1..2 x 0,5..1,0	9.1	110
3 x 2.5	1..2 x 0,5..1,0	10.2	152
4 x 2.5	1..2 x 0,5..1,0	11.7	196
5 x 2.5	1..2 x 0,5..1,0	12.7	230
3 x 4	1..2 x 0,5..1,0	12.3	225
4 x 4	1..2 x 0,5..1,0	13.6	281
5 x 4	1..2 x 0,5..1,0	15.4	344
3 x 6	1..2 x 0,5..1,0	13.5	296
4 x 6	1..2 x 0,5..1,0	15.4	382
5 x 6	1..2 x 0,5..1,0	16.5	446

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