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Life Possible

COMMERCIAL VEHICLES AND EVC 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:  $-40^{\circ}\text{C}$  up to  $90^{\circ}\text{C}$



### Fire properties

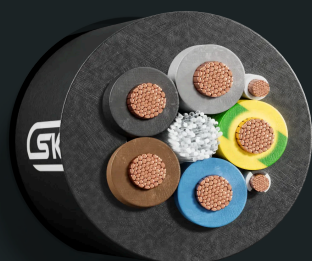
EN 60332-1-2: self-extinguishing and flame  
retardant  
halogen-free: EN 5052:2011 Annex B or IEC  
62821-1:2015 Annex B



### 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) | 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                        |

## CONTACT PERSON

Dipl. Ing. Peter Tomka

+421 37 6969631  
peter.tomka@ics-cables.sk