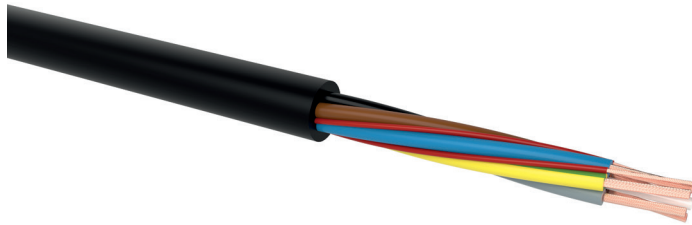


# FLEXICS® CHARGE EVC S07BZ5-F

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 (U<sub>0</sub>/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

Number of cores x nominal cross-section (mm <sup>2</sup> )	CC / CP Cores (mm <sup>2</sup> )	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
<b>FLEXICS® CHARGE EVC S07BZ5-F</b>				
3 x 10	1...2 x 0,5...1,0	19.0	307.2	486
3 x 16	1...2 x 0,5...1,0	22.6	480.0	672
3 x 25	1...2 x 0,5...1,0	28.0	739.2	1055
3 x 35	1...2 x 0,5...1,0	32.9	1027.2	1425
4 x 10	1...2 x 0,5...1,0	20.9	403.2	601
4 x 16	1...2 x 0,5...1,0	25.2	633.6	863
4 x 25	1...2 x 0,5...1,0	31.5	979.2	1319
4 x 35	1...2 x 0,5...1,0	37.0	1363.2	1810
5 x 10	1...2 x 0,5...1,0	23.4	499.2	723
5 x 16	1...2 x 0,5...1,0	28.1	787.2	1042
5 x 25	1...2 x 0,5...1,0	35.2	1219.2	1622
5 x 35	1...2 x 0,5...1,0	41.5	1699.2	2195

Technical changes reserved. All figures are therefore without guarantee.

Metal weight is theoretically calculated with two CC/CP cores 1,0mm<sup>2</sup> and can vary depending on the desired construction.

14.1.2022, 15:51