We Make Modern Life Possible.

INDUSTRIAL 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) | 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 |

Technical changes reserved. All figures are therefore without guarantee.

**CONTACT PERSON**

**Natalia Dikovits**
Sales
+43 (0) 1 70170-120
natalia.dikovits@skw.at

