

BiTcharger[®] EVC H07BZ5-F

Halogen-free charging cable



external application



internal application



high flexibility



halogen-free
EN 60754



low smoke emission



chemical resistance



UV resistance



EN 60332-1-2



based on
IEC 62893-3



EN 50620
VDE Certificate

Technical data:

Thermal parameters:

Operating temperature:

fixed installations: -40 °C to 80 °C
flexible connections: -40 °C to 80 °C

Max. power conductor operating temperature: 90 °C

Short-circuit temperature: +250 °C (max. 5 sec. on conductor)

Electrical parameters:

Operating voltage: 450/750 V

Test voltage: 3500 V

Mechanical parameters:

Min. bending radius:

fixed installation: 4 x Ø
flexible connections: 6,5 x Ø

Design:

Power cores:

Conductors:

bare copper conductors, multi-stranded class 5
acc. to EN 60228

Insulation:

elastomer, type EVI-2

Core identification:

green/yellow, blue, brown; green/yellow, blue, brown, black, grey

Control core:

Conductor:

bare, copper conductors, multi-stranded class 5
acc. to EN 60228

Insulation:

elastomer, type EVI-1

Core identification:

red

Outer sheath:

PUR, type EVM-1; colour: black

Application:

H07BZ5-F cables are intended for charging electric vehicles on the vehicle charger-connector section. Light, flexible and durable compounds used for their production improve the functionality of use. Cables are halogen-free and flame retardant (EN 60332-1-2, IEC 60332-1-2) as well as UV, weather, oil, alkali and chemical resistant.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
CH0001	3G1,5+1x0,5	8,8	106
CH0002	3G2,5+1x0,5	10,0	140
CH0003	5G2,5+1x0,5	12,7	229
CH0004	3G4+1x0,5	11,3	203
CH0005	5G4+1x0,5	14,4	324
CH0006	3G6,0+1x0,5	12,6	266
CH0007	5G6,0+1x0,5	16,0	437
CH0008	3G10+1x0,5	15,8	434
CH0009	5G10+1x0,5	19,2	678
CH0010	3G16+1x0,5	19,3	676
CH0011	5G16+1x0,5	23,0	1027

*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice

VDE Prüf- und Zertifizierungsinstitut

