

BiTcharger EVC H07BZ5-F 62893 IEC 123



Halogen-free electric vehicle charging cable



Technical data:

Thermal parameters:

Operating temperature:
 fixed installation: -40°C to 80°C
 flexible connection: -40°C to 80°C
Max. power conductor operating temperature: 90°C
Max. short-circuit temperature: +250°C
 (5 seconds max.)

Electrical parameters:

Operating voltage: 450/750V

Mechanical parameters:

Min. bending radius:
 fixed installation: 4 x Ø
 flexible connection: 6,5 x Ø

Design:

Power cores: Conductors:

bare, copper conductors, multi-stranded class 5 acc. to EN 60228, IEC 60228
 elastomer, type EVI-2
Core identification:
 colours acc. to HD 308 S: green-yellow, blue, brown;
 green-yellow, blue, brown, black, grey

Control core:

Conductor:

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

Insulation:

Core identification:

elastomer, type EVI-2
 1 core - red; 2 cores - red, white; 3 cores - red, white, purple

Outer sheath:

Outer sheath colour:

PUR, type EVM-1
 black (other colours available on a request)

Application:

H07BZ5-F cable is designed for charging electric vehicles, intended to connect vehicle charger to vehicle socket. The lightweight, flexible and durable compound that is used for the production improves the functionality of use. H07BZ5-F are halogen-free and flame retardant (according to EN 60332-1-2, IEC 60332-1-2) as well as oil (EN 60811-404), UV, weather, alkali and chemical resistant.

Certificate:

Cables in accordance with EN 50620:2017-07 +A1:2019-11 and IEC 62893-3:2017



Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
CH0030	3G2,5+1x0,5	10,1	150
CH0031	3G4+1x0,5	11,3	210
CH0032	3G6,0+1x0,5	12,6	282
CH0033	3G10+1x0,5	15,8	457
CH0034	3G2,5+2x0,5	10,1	156
CH0035	3G4+2x0,5	11,3	216
CH0036	3G6,0+2x0,5	12,6	289
CH0037	3G10+2x0,5	15,8	464
CH0038	3G2,5+3x0,5	10,1	163
CH0039	3G4+3x0,5	11,3	223
CH0040	3G6,0+3x0,5	12,6	295
CH0041	3G10+3x0,5	15,8	470

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Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
CH0042	3G4+1x1,0	11,3	216
CH0043	3G6,0+1x1,0	12,6	288
CH0044	3G10+1x1,0	15,8	463
CH0045	3G4+2x1,0	11,3	229
CH0046	3G6,0+2x1,0	12,6	302
CH0047	3G10+2x1,0	15,8	477
CH0048	3G4+3x1,0	11,3	242
CH0049	3G6,0+3x1,0	12,6	315
CH0050	3G10+3x1,0	15,8	490
CH0051	5G2,5+1x0,5	12,8	229
CH0052	5G4+1x0,5	14,4	331
CH0053	5G6,0+1x0,5	16,0	443
CH0054	5G10+1x0,5	19,2	691
CH0055	5G2,5+2x0,5	12,8	236
CH0056	5G4+2x0,5	14,4	337
CH0057	5G6,0+2x0,5	16,0	449
CH0058	5G10+2x0,5	19,2	697
CH0059	5G2,5+3x0,5	12,8	242
CH0060	5G4+3x0,5	14,4	344
CH0061	5G6,0+3x0,5	16,0	456
CH0062	5G10+3x0,5	19,2	704
CH0063	5G6,0+1x1,0	16,0	449
CH0064	5G10+1x1,0	19,2	697
CH0065	5G6,0+2x1,0	16,0	462
CH0066	5G10+2x1,0	19,2	710
CH0067	5G6,0+3x1,0	16,0	475
CH0068	5G10+3x1,0	19,2	723

*Outer diameter tolerance: +/-5%

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

