MGW CHARGER EVC H07BZ5-F

Charging EVC cables

STANDARD:

- **PN-EN 50620:2017**



CHARACTERISTIC:

- Rated Voltage: 450/750 V
- Operating Voltage max: 480/825 V
- Max. temperature at conductor: +90°C
- Spark test 50Hz: 3500V (AC)
- UV-stability, high water resistance
- High flexibility
- Test for vertical flame propagation: V0
- Min. bending radius: 9 x ø cable
- Certificate No.: 1230420 acc. EN 50620:2017

CONSTRUCTION:

- Core: Soft-annealed Cu-ETP1 electrolytic bare or tin-plated copper class 5 according to IEC 60228.
- Insulation: Crosslinked special halogen free compound EVI-2 type, color: blue, brown, gray, black, yellow-green or black numbered.
- Outer sheath: Special polyurethane (TPU) halogen free compound EVM-1 type, color black.



APPLICATIONS:

Our cables are suitable for single-phase charging at the household socket according to mode 1, according to mode 2 with an additional control device, and according to mode 3 for charging at public or private charging station.

PACKING:

MG WIRES GROUP Sp. z o.o.

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TABLE DIMENSIONAL AND INSULATION VALUES:

Number and nominal cross-section of cores	Nominal insulation wall thickness	Nominal coating wall thickness	Minimum outer diameter of the cable	Maximum outer diameter	Min. insulation resistance at 20°C	Min. insulation resistance at 90°C
[mm²]	[mm]	[mm]	[mm]	[mm]	[MΩ*km]	[MΩ*km]
5 G 2,50 + 1..2 x 0,5	0,7	1,2	11,7	15,0	8,6	0,0086
5 G 4,00 + 1..2 x 0,5	0,7	1,3	13,5	17,3	7,1	0,0071
5 G 6,00 + 1..2 x 0,5	0,7	1,4	15,4	19,7	6,1	0,0061
5 G 10,0 + 1..2 x 0,5	0,7	1,5	18,3	23,4	4,9	0,0049

Other kinds of cross-sec., construction etc. available on request.

CURRENT CARRYING CAPACITY OF EVC CABLES:

Cross-section	Current rating	
	Single phase	Three phase
[mm²]	[A]	[A]
1,5	14	-
2,5	25	20
4	35	30
6	44	38
10	62	54
16	82	71
25	109	94


ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV

CERTIFICATE


DECLARATION OF CONFORMITY UE nr 3/04/2023

Electric cables – Charging cables for electric vehicles

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