

CERTIFICATE

no.: TM 61000644.001



Licence holder

Zakłady Kablowe
BITNER Sp. z o.o.
ul. Józefa Friedleina 3/3
30-009 Kraków

Manufacturing plant

Zakłady Kablowe
BITNER Sp. z o.o.
ul. Krakowska 2
32-353 Trzyciąż

Project number

26100730

Our reference

SD/84966502

Certificate validity period

from 22.06.2023 to 21.06.2028

Basis of research

PN-EN 50620:2017-07 + A1:2019-11

IEC 62893-3:2017

TÜV Rheinland Polska Sp. z o.o. declares that the product described below meets the requirements contained in the reference documents:

Halogen-free charging cables for electric vehicles

- BiTcharger EVC H07BZ5-F 450/750V 3-5 x 2,5...35 mm² + n x 0,5...1 mm²

Details in the certificate attachment.

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Product certification body


Tomasz Opaszowski

Zabrze, 22.06.2023

This certificate is subject to the Certification Terms and Conditions and the JCW TRP General Transaction Conditions and applies only to the products that are compliant with the standard used for compliance assessment. This certificate alone does not entitle the holder to affix the CE mark.
This certificate entitles the holder to affix the product with the TUV mark.



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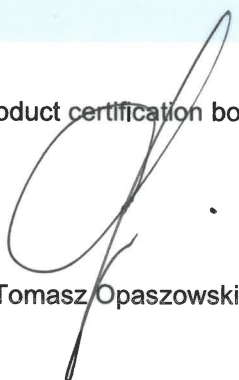
Product Halogen-free charging cables for electric vehicles
 BiTcharger EVC H07BZ5-F 450/750V 3-5 x 2,5...35 mm² + n x 0,5...1 mm²

The product complies with the requirements of the PN-EN 50620:2017-07 + A1:2019-11 and IEC 62893-3:2017 standards and the following parameters.

1. Current ratings

The current ratings given in the table below are for continuously loaded cable (100 % load factor) with current having an alternating frequency of 50 or 60 Hz, located in free air with an ambient temperature of 30 °C.

Conductor cross-section	Current rating					
	Single phase			Three phase		
1,5 mm ²	14 A			-		
2,5 mm ²	25 A			20 A		
4 mm ²	35 A			30 A		
6 mm ²	44 A			38 A		
10 mm ²	62 A			54 A		
16 mm ²	82 A			71 A		
25 mm ²	109 A			94 A		
35 mm ²	135 A			117 A		
Temperature correction factors						
Ambient temperature	30 °C	35 °C	40 °C	45 °C	50 °C	55 °C
Correction factor	1,0	0,91	0,82	0,71	0,58	0,41

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Zabrze 22.06.2023

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Product Halogen-free charging cables for electric vehicles
BiTcharger EVC H07BZ5-F 450/750V 3-5 x 2,5...35 mm² + n x 0,5...1 mm²

2. Resistance against chemicals.

	Test-medium
1	Lubricating oil engine severe duty Diesel and gasoline service (15W40)
2	Gasoline automotive unleaded; EN 228
3	Urea solution (32,5%) in acc. with ISO 22241-1
4	Diesel fuel, automotive EN 590
5	Anti freezing agent, Ethylenglycol (C ₂ H ₆ O ₂) – water (mixing 1:1)
6	Solvent cleansing compound, for example P3-Solvclean AK (Fa. Henkel)
7	N-sodium hydroxide
8	N-oxalic acid
9	Reverence test oil type IRM 902
10	Water

3. Weather and UV resistance according to EN 50289-4-17 Method A, EN ISO 4892-1, EN ISO 4892-2, IEC 62893-2.

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