



CERTIFICATE OF CONFORMITY IK CZ – 058/2020

Name and address of the
certificate holder:

**DOPELTECH Sp. z o.o.,
ul. Borowskiego 2
03-475 Warsaw**

Manufacturer's name and
address:

**Huber+Suhner AG
Degersheimerstrasse 14
9100 Herisau
Szwajcaria**

Product name:

Wires concentric

Type / variant

- the series of electric cables (cable SPUMA_195-FR-01 Ø 4.98 mm, SPUMA_240-FR-01 Ø 6.17 mm),
- cable SPUMA_400-FR-01 Ø 10.25 mm

The product meets the requirements of:

PN-EN 45545-2 + A1: 2015 "Railway applications. Fire protection in rail vehicles Part 2: Requirements for materials and components in terms of fire properties " according to R15 and R16 (location inside and outside the vehicle) at the hazard level HL1, HL2 and HL3 in terms of fire safety of materials for vehicles according to construction category N (standard vehicles), A (vehicles forming part of an automatic train with no emergency trained personnel on board), D (double deckers) and S (sleepers and couches) which are in the operational category No: 1, 2, 3 and 4.

According to the evaluation report:

**Report No. Q/CW/057/2020-R57/20 of 06.10.2020 r., Center for Quality and Certification, Railway Institute,
ul. Chłopickiego 50, 04-275 Warsaw**

Compiled on the basis of test reports:

Annex 1 to the certificate

Scope of application:

Coaxial cables with particular fire resistance are intended for rolling stock.

The right to use the **Certificate of Dignity** applies only to the copies of the product having the same properties (parameters) as the pattern (s) presented for testing and meeting the requirements specified above.

Certificate valid from **12.10.2020 r. to 11.10.2023.**

Certification by the certification cation No. PCW-02.

KIEROWNIK
OŚRODKA JAKOŚCI I CERTYFIKACJI

mgr inż. Paweł Rucopka
Head
of the Quality and Certification
Center



ZASTĘPCA DYREKTORA
DS. INTEROPERACYJNOŚCI KOLEI

dr hab. inż.
Marek Pawlik, prof. IK

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Director of
the Railway Institute

Warsaw, 12th October 2020

Warsaw, dated 12.10.2020

Attachment to certificate no: IK CZ - 058/2020
I. Test reports and other documents

N o.	Cable name	Number and dates of test reports	Research Laboratory
1	SPUMA_195-FR-01 50 Ohm, 6 GHz, 85°C, Ø 4.98 mm, LSFH jacket	Test Report no 20190875/01 z 18.09.2019 Test Report no 20190875/02 z 18.09.2019 Test Report no 20190875/03 z 18.09.2019	MPA Dresden
		Test Report no 264970-TL6-3 z 05.11.2019 Test Report no 264970-TL6-5 z 05.11.2019	VDE Testing and Certification Institute
2	SPUMA_240-FR-01 50 Ohm, 6 GHz, 85°C, Ø 6,17 mm, LSFH jacket	Test Report no 20190875/04 z 18.09.2019 Test Report no 20190875/05 z 18.09.2019 Test Report no 20190875/06 z 18.09.2019	MPA Dresden
		Test Report no 264970-TL6-3 z 05.11.2019 Test Report no 264970-TL6-5 z 05.11.2019	VDE Testing and Certification Institute
3	SPUMA_400-FR-01 50 Ohm, 6 GHz, 85°C, Ø 10,25 mm, LSFH jacket	Test Report no 20190875/07 z 18.09.2019 Test Report no 20190875/08 z 18.09.2019 Test Report no 20190875/09 z 18.09.2019	MPA Dresden
		Test Report no 264970-TL6-2 z 05.11.2019 Test Report no 264970-TL6-4 z 05.11.2019	VDE Testing and Certification Institute

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mgr inż. Krzysztof Kzepka
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