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AC 128

## CERTIFICATE OF CONFORMITY IK CZ - 048/2019

Name and address of certificate holder:	Technokabel Spółka Akcyjna ul. Nasielska 55; 04-343 Warszawa		
Name and address of the manufacturer:	Technokabel Spółka Akcyjna ul. Wiatraczna 28; 06-550 Szreńsk k/Mławy		
Name of the product:	Halogen-free cables for rail vehicles		
Type/variety	Cable name	Standard related to cable geometry	Diameter Ø, mm
i ypervallety	TECHRAY-201 1,8/3 kV 1,5mm <sup>2+35mm<sup>2</sup></sup>	PN-EN 50264-2-1:2008	6,9 ÷14,7

The product meets the requirements of:

PN-EN 45545-2+A1:2015-12 Railway applications – Fire protection on railway vehicles – Part 2: Requirements for materials and elements in the scope of fire properties according to: R15 and R16 at the Hazard Level HL1, HL2 and HL3 for vehicles according to design category: N (standard vehicles), A (vehicles forming part of an automatic train having no emergency trained staff on board), D (double decked vehicles) and S (sleeping and couchette vehicles), which are in operation category no.: 1 - vehicles for operation in infrastructure in which they can be stopped with a minimum delay and can immediately reach a safe area, 2 - vehicles for operation on underground sections in tunnels and / or on structures raised above the terrain, with the possibility of side evacuation and in which there are rescue stations, which provide a safe place for passengers, accessible after a long driving time, 4 - vehicles for operation on underground sections, which provide a safe place for passengers, accessible after a long driving time, 4 - vehicles for operation on underground sections and in which there are rescue stations or stations that provide safe passengers accessible after a long driving time, 4 - vehicles for operation on underground sections, in tunnels and / or on structures raised above the terrain, without the possibility of side evacuation and in which there are rescue stations or stations that provide a safe place for passengers, accessible after a long driving time, 4 - vehicles for operation on underground sections, in tunnels and / or on structures raised above the surface of the terrain, without the possibility of side evacuation and in which there are rescue stations or stations that provide safe passenger seat, accessible after a short driving time.

In accordance with the report of tests and evaluation report conducted by:

Materials and Structure Laboratory – Railway Institute Warsaw, Poland Lapi Laboratorio Prevenzione Incendi S.p.A., Italy

Test report, evaluation report:

Test report No. IK.LKA105.A198/19 of 18.11.2019, Test report No. IK.LKA105.A199/19 of 18.11.2019, Rapporto Di Prova No. 1996.1Cl0110/19, Rapporto Di Prova No. 1997.1Cl0110/19

Scope of utility:

The product is intended for rolling stock.

The right to use the Certificate of Conformity from 29.11.2019 to 28.11.2022 is valid exclusively for the copies of products of the same parameters as specimen (specimens) subjected to scrutiny and complying with mentioned standard.

Certification according to Certification Program PCW-02

KIEROWNIK

The Head of Quality and Certification Centre



ZASTS, CADYRE OLE **OPEPACYJNOS** DS. VAN ok Pa

Director of Railway Institute