

INSTYTUT KOLEJNICTWA OŚRODEK JAKOŚCI I CERTYFIKACJI

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AC 128

CERTIFICATE OF CONFORMITY IK CZ - 051/2019

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

Cable name

Standard related to cable geometry

Średnica Ø. mm

Type/variety

TECHRAY 4 GKW-AX 1,8/3 kV 1,5mm²+240mm²

PN-EN 50264-3-1:2008 DT 200/R/17

3,6 ÷ 27,0

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 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 terrain, without the possibility of side evacuation and in which there are rescue stations or stations that provide safe passenger seat, 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.A218/19 of 20.11.2019, Test report No. IK.LKA105.A219/19 of 20.11.2019 Rapporto Di Prova No. 1996.1CI0110/19, Rapporto Di Prova No. 1997.1CI0110/19

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

OŚRODKA JAKOŚCI I CERTYFIKACJI

The Head of Quality and Certification Centre

Warsaw, 29th of November 2019

ZAS ĘPCA DYREKTO OPERACYJNOŚCI LEI

> Director of Railway Institute