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| 3022673 | DATA SHEET NSHXAFÖ 1,8/3 kV |  LAPP |
| valid from: 25.01.2022 | | |

Application

NSHXAFÖ cables are designed for use in rail-borne vehicles and buses, as well as in dry rooms. They are suitable for high voltage. Continuous, busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

Design

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| Design | acc. to VDE 0250-606 |
| Certification | NSHXAFÖ acc. to VDE 0250-606 |
| | Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr) |
| Conductor | tinned copper, fine wire stranding acc. to IEC 60228 resp. EN 60228, class 5 |
| Insulation | halogen free, extrudet rubber compound 3GI3 acc. to VDE 0207-20, colour nature outer coating (no sheath): rubber compound HM3 acc. to VDE 0207-24 colour: black |

Electrical properties at 20 °C

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| Nominal voltage | 1.8 / 3.0 kV |
| Test voltage | 6000 V AC |

Mechanical and thermal properties

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| Minimum bending radius | acc. to VDE 0298-3 fixed installation: 6 x outer diameter moved freely: 10 x outer diameter |
| Temperature range | at the conductor max. operating temperature: +90 °C at the surface fixed installation: -40 °C to +90 °C during installation: -25 °C to +70 °C |
| Flammability | acc. to IEC 60332-1-2 resp. EN 60332-1-2 |
| Halogen free | acc. to VDE 0472-813 |
| Corrosivity of gases | acc. to VDE 0472-813 |
| Smoke density | acc. to VDE 0472-816 |
| Ozone resistance | acc. to VDE 0472-805, test method B |
| Oil resistance | acc. to VDE 0207-24 |

Tests

acc. to IEC 60811 resp. EN 60811, VDE 0472, EN 50395 and EN 50396.

General requirements

A part of these cables (see www.lappkabel.com/cpr) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

Environmental information

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

Note

Trade product, no Lapp product

AbN
automation

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