

3022673	DATA SHEET	
valid from: 25.02.2019	NSHXAFÖ 1,8/3 kV	

Application

NSHXAFÖ 1,8/3 kV 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

Design	acc. to VDE 0250-606
Certification	NSHXAFÖ acc. to VDE 0250-606
Conductor	tinned or bare copper, fine wire stranding according to IEC 60228 Class 5 (VDE 0295, Class 5)
Insulation	halogen free, extruded rubber compound 3GI3 acc. To DIN VDE 0207-20, colour nature outer coating (no sheath): rubber compound HM3 acc. To DIN VDE 0207-24 colour: black

Electrical properties at 20°C

Rated voltage	1.8 / 3.0 kV
Test voltage	6000 V AC

Mechanical and thermal properties

Minimum bending radius	for flexible use: 10 x cable diameter fixed installation: 6 x cable diameter
Temperature range	for flexible use: -5°C up to +90°C max. conductor temperature fixed installation: -25°C up to +90°C max. conductor temperature
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2 (VDE 0482-332-1-2)
Halogen free	DIN VDE 0472-813
Corrosivity of gases	DIN VDE 0472-813
Smoke density	DIN VDE 0472 part 816
Ozone resistance	DIN VDE 0472 Teil 805, test method B
Oil resistance	DIN VDE 0472-803, test method A
Tests	according to VDE 0472

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