Application

NSGAFÖU 1.8/3 kV are flexible single-conductor rubber cables for use in railway vehicles and omnibuses as well as in dry interiors. Suitable for use in ducts, tubes, pipes, conduits and closed installation channels. No direct burial.
Acc. to VDE 0298-3, cables with nominal voltage U_0/U of at least 1.8 / 3 kV can be used for short circuit-proof and short-to-ground-proof installation up to 1000 V.

Design

Design	acc. to VDE 0250-602
Certification	The cable is characterized with the ◁VDE▷-sign or VDE-identification thread.
	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr)
Conductor	fine-wire tinned copper conductor acc. to IEC 60228 resp. EN IEC 60228, class 5
	seperator layer (optional): over the conductor, made of suitable material acc. to VDE 0250-602
Insulation	rubber compound 3GI3 acc. to VDE 0207-20 outer coating (no outer sheath): rubber compound 5GM3 acc. to VDE 0207-21 colour: black (other colouring on request)

Electrical properties at 20 °C

Nominal voltage	U_0/U: 1.8 / 3 kV
Test voltage	core / core: 6000 V AC

Mechanical and thermal properties

Minimum bending radius	acc. to VDE 0298-3 fixed installation: 6 x outer diameter moved freely: 10 x outer diameter at insertion: 10 x outer diameter drum operation (enforced guidance): 12 x outer diameter cable roller assemblies (enforced guidance): 10 x outer diameter
Temperature range	at the conductor: during operation: +90 °C at the surface: fixed installation: -40 °C to +80 °C during laying: -25 °C to +80 °C
Flammability	acc. to IEC 60332-1-2 resp. EN 60332-1-2
UV resistance	at least acc. to HD 605 S3
Oil resistance	acc. to VDE 0207-21

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