

1600500	DATA SHEET	
valid from: 2026-06-16	NSSHÖU	

Application

NSSHÖU is a rubber cable for use at very high mechanical stress, for mining and surface mining and as well as industry. Suitable for connection of moving equipment and machinery under extreme environmental conditions. For outdoor use as well as in dry and damp interiors. Also suitable for fixed installations e.g. on plaster. No direct burial except of lead-through through fire separations such as sand cups.

Design

Design	acc. to VDE 0250-812
Certification	The cable is characterized with the <VDE>-sign or VDE-identification thread.
Conductor	fine wire strand made of tinned copper acc. to IEC 60228 resp. EN IEC 60228, class 5
Insulation	rubber compound 3GI3 acc. to VDE 0207-20
Core identification code	up to 5 cores: colour-coded acc. to VDE 0293-308 with or without GN-YE ground conductor starting at 6 cores: black cores with white numbers acc. to EN 50334 Arrangement of conductors: NSSHÖU-J with PE conductor, NSSHÖU-O without PE conductor
Inner sheath	rubber compound GM1b or 5GM5 acc. to VDE 0207-21
Outer sheath	rubber compound 5GM5 acc. to VDE 0207-21

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 600/1000 V
Test voltage	core / core: 3000 V AC

Mechanical and thermal properties

Minimum bending radius	at free movement acc. to VDE 0298-3 outer diameter ≤ 8 mm: 3 x outer diameter 8 mm < outer diameter ≤ 12 mm: 4 x outer diameter 12 mm < outer diameter: 5 x outer diameter
Temperature range	at the conductor max. operating temperature: +90 °C at the surface fixed installation: -40 °C to +80 °C during installation/ occasional flexing: -25 °C to +80 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
Oil resistance	acc. to VDE 0207-21

Tests	abrasion resistance: acc. to VDE 0472-605, Method A
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tear resistance:
acc. to VDE 0472-613, min. 30 N / mm

General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive).
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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).
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Note	Trade product, no LAPP product
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