

0044008	DATA SHEET	
valid from: 16.05.2024	ÖLFLEX® CRANE VS (N)SHTÖU	

Application

ÖLFLEX® CRANE VS (N)SHTÖU cables are connecting and control cables with a central strength member especially for use in hoists, transport and conveyor systems, also for reeling and unreeling, for high mechanical load considering the admissible values. They are among others useable in dry and damp areas and in industrial water. Considering the indicated temperature range an outdoor use is possible. At room temperature they are generally resistant against acids, alkalis and certain oils.

Design

Design	based on VDE 0250 part 814
	Tensile load of complete cable: up to and incl. 16 mm ² : max. 2.000 N greater 16 mm ² up to and incl. 25 mm ² : max. 3.000 N greater 25 mm ² up to and incl. 35 mm ² : max. 4.000 N greater 35 mm ² up to and incl. 50 mm ² : max. 6.000 N greater 50 mm ² up to and incl. 70 mm ² : max. 8.000 N greater 70 mm ² up to and incl. 95 mm ² : max. 11.000 N
Conductor	fine strands of tinned copper wires acc. to IEC 60228 resp. EN 60228, class 5
Insulation	rubber compound 3GI3 acc. to VDE 0207 part 20
Core identification code	acc. to VDE 0293-1, with GN/YE ground conductor up to 5 cores coloured in acc. to HD 308 S2 that is VDE 0293-308 starting at 6 cores: Black cores with white numbers acc. to EN 50334
Stranding	cores stranded around a supporting element made of synthetic material.
Inner sheath	rubber compound 5GM5 acc. to VDE 0207 part 21, Colour: yellow
Support braid	supporting braid of textile integrated in the outer sheath
Outer sheath	rubber compound 5GM5 acc. to VDE 0207 part 21, Colour: yellow

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Minimum bending radius	flexing: 7.5 x outer diameter
Temperature range	fixed installation: -45 °C up to +60 °C max. ambient temperature flexing: -25 °C up to +60 °C max. ambient temperature up to +80 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
Oil resistance	acc. to VDE 0207 part 21

Tests

acc. to IEC 60811 resp. EN 60811 and VDE 0472

General requirements

These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

Environmental information

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

Creator: ALTE / PDC	Document: DB0044008EN	Page 1 of 1
Released: HESC / PDC	Version: 06	