

0044008	DATA SHEET	
valid from: 01.01.2019	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
Conductor	fine strands of tinned copper wires acc. to IEC 60228 resp. VDE 0295, 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 DIN EN 50334 resp. VDE 0293-334
Support braid	supporting braid of textile integrated in the outer sheath
Outer sheath	supporting element: synthetic material
	Tensile load of supporting element:
	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
	rubber compound 5GM3 acc. to VDE 0207 part 21, Colour: yellow

Electrical properties at 20°C

Rated voltage	600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Minimum bending radius	7,5 x cable diameter for flexing
Temperature range	fixed installation: -45 °C up to +60 °C max. ambient temperature for flex. applications: -25 °C up to +60 °C max. ambient temperature up to +80 °C max. conductor temperature
Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2
Oil resistance	acc. to IEC 60811-404 resp. VDE 0473 part 811-404
Tests	acc. to IEC 60811 resp. VDE 0473-811 and VDE 0472
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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