LAPP GROUP	**DATA SHEET**	0044008
	ÖLFLEX® CRANE VS (N)SHTÖU	valid from : 28.03.2008

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 rooms and in industrial water. Considering the indicated temperature range an outdoor use is possible. At room temperature they are generally resistant against acids, caustic solutions and certain oils.

Design

Design	in support to VDE 0250 part 814
Conductor	fine strands of tinned copper wires acc. to IEC 60228 resp. VDE 0295, class 5
Core insulation	rubber compound 3GI3 acc. to VDE 0207 part 20
Core identification	acc. to VDE 0293-1, with gn/ye ground conductor up to 5 cores coloured in acc. to HD 308 S2 resp. VDE 0293-308; more than 5 cores black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293 part 334
Strength member	synthetic material
Outer sheath	rubber compound 5GM5 acc. to VDE 0207 part 21, colour yellow
Braiding	supporting braid of textile integrated in the outer sheath

Electrical properties at 20 °C

Nominal voltage	600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Tensile load of the strength member	up to and incl. 16 mm²: min. 2.000 N greater 16 mm² up to and incl. 25 mm²: min. 3.000 N greater 25 mm² up to and incl. 35 mm²: min. 4.000 N greater 35 mm² up to and incl. 50 mm²: min. 6.000 N greater 50 mm² up to and incl. 70 mm²: min. 8.000 N greater 70 mm² up to and incl. 95 mm²: min. 11.000 N
Temperature range	for flex. applications -25 °C up to +60 °C max. conductor temperature fixed installation -45 °C up to +60 °C max. conductor temperature
Min. bending radius	7,5 x cable diameter for flex. applications
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2
Oil resistance	acc. to IEC 60811-2-1 resp. VDE 0473 part 811-2-1
Tests	acc. to IEC 60811-x-x resp. VDE 0473 part 811-x-x and VDE 0472
EC directive	this cable confirms to ECD 2006/95/EC (low voltage directive)