



DATA SHEET	0043006
ÖLFLEX® CRANE NSHTÖU	valid from : 11.09.2008

Application

ÖLFLEX® CRANE NSHTÖU cables are connecting and control cables special for use in drum guidance, hoists, transport and conveyor systems for high mechanical load considering the admissible values. Furthermore they are for use as hawser, drum and drag cable as well as for power chains. They are among others useable in dry and damp rooms and in industrial water. Considering the indicated temperature range an outdoor use is possible. Usage under a strain of more than 20 N / mm² is not allowed. At room temperature they are widely resistant to acids, chemical resistant and certain oils.

Design

Design	acc. 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
Outer sheath	rubber compound 5GM3 acc. to VDE 0207 part 21, colour black
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

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
Min. bending radius	for flex. applications	
	with an outer diameter < 21.5 mm :	5 x cable diameter
	with an outer diameter > 21.5 mm :	6.25 x cable diameter
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 resp. VDE 0473 and VDE 0472	
Approvals	acc. to VDE 0250 part 814	
EC directive	This cable is conform to ECD 2006/95/EC (low voltage directive).	

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