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 areas 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 largely resistant to acids, alkalis and certain oils.

Design

Design	acc. to VDE 0250 part 814
Certification	acc. to 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	rubber compound 5GM3 acc. to VDE 0207 part 21, Colour: black, similar RAL 9005

Electrical properties at 20°C

Rated voltage	600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Minimum bending radius	for flexing: with an outer diameter < 21.5 mm : 5 x cable diameter with an outer diameter > 21.5 mm : 6.25 x cable diameter
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)