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)