ÖLFLEX® CRANE

DB 0039001
valid from: 12.07.2011

Application

ÖLFLEX® CRANE cables are rubber cables with supporting element for flexible use for normal mechanical stresses. Outdoor use as well as use in industrial water is possible, they are weatherproof and suitable for harsh environmental conditions. Usage of these cables on drums or on guide pulleys under tensile load is not allowed.
Application range: Handling and hoisting equipment, construction machinery, dockyard installations etc.

Design

Design	based on VDE 0250-814
Conductor	extra fine wire strands of bare copper, acc. to IEC 60228 resp. VDE 0295, Class 6 1 mm²: Wire Ø 0.15 mm starting at 1.5 mm²: Wire Ø 0.20 mm
Core insulation	rubber compound 3GI3 acc. to VDE 0207-20
Core identification	acc. to VDE 0293-1, with or without 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
Supporting element	depending on the number of cores and the conductor cross-section one or several supporting elements tensile strength represents minimum number of cores x nominal cross section x 30 N tensile strength ≥ 300 N
Outer sheath	Chloroprene rubber in acc. with VDE 0207-21 Colour: Black

Electrical properties

Nominal voltage	300/500 V
Test voltage	3000 V AC

Mechanical and thermal properties

Min. bending radius	flexing: fixed installation:	12,5 x cable diameter 6 x cable diameter
Temperature range	flexing: fixed installation:	-25 °C up to +80 °C max. conductor temp. -40 °C up to +80 °C max. conductor temp.
Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2	
Tests	acc. to IEC 60811 resp. VDE 0473 and VDE 0472	
EC-Directives	This cable is conform to the EC-Directives 2006/95/EC (Low Voltage Directive) and 2002/95/EC (RoHS, Restriction of the use of certain hazardous substances).	