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
Insulation	rubber compound 3GI3 acc. to VDE 0207-20
Core identification code	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
Outer sheath	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
	Chloroprene rubber in acc. with VDE 0207-21
	Colour: black, similar RAL 9005

Electrical properties at 20°C

Rated voltage	U_0/U: 300/500 V
Test voltage	3000 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 12.5 x cable Ø
	fixed installation: 6 x cable Ø
Temperature range	occasional flexing: - 25˚C up to +80˚C max. conductor temp.
	fixed installation: - 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 0473-811 and VDE 0472
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)