ÖLFLEX® CRANE F

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Application

ÖLFLEX® CRANE F are weatherproof power cables for use under harsh environmental conditions. They are among others designed for use in dry, damp or wet rooms. Outdoor use is possible without UV protection, considering the temperature range.
Application range: In machine tools, conveyor systems, sewage plants, high rack facilities, in crane systems on building sites and shipyards and in other plant engineering and constructions, where the cables are exposed turnings only in one level.

Design

Design	based on VDE 0250-809 (NGFLGÖU)
Conductor	fine resp. superfine wire strands of bare or tinned copper acc. to IEC 60228 resp. VDE 0295 Class 6: Starting at 1,5 mm² up to 25 mm² Class 5: Starting at 35 mm² up to 95 mm²
Core insulation	rubber compound 3GI3 according to VDE 0207-20
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; starting at 6 cores black cores with white numbers acc. to DIN EN 50334 resp. VDE 0293-334
Outer sheath	rubber compound 5GM3 according to 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: 10 x cable thickness fixed installation: 4 x cable thickness
Temperature range	permitted surface temperature: flexing: -25 °C up to +80 °C fixed installation -40 °C up to +80 °C max. permitted operating temperature: at the conductor: +90 °C
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 part 811 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).

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