

00410013	DATA SHEET	
valid from: 01.01.2019	ÖLFLEX® CRANE F	

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 areas. They are suitable for outdoor use if the indicated temperature range is observed.

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 mm ² up to 25 mm ² Class 5: Starting at 35 mm ² up to 95 mm ²
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
Outer sheath	rubber compound 5GM3 acc. to VDE 0207 part 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: 10 x outer diameter fixed installation: 4 x outer diameter
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 acc. to 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)

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