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| 00410013 | DATA SHEET |  |
| valid from: 09.10.2019 | 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

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| Design | based on VDE 0250-809 (NGFLGÖU) |
| Conductor | fine resp. superfine wire strands of bare 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

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| Nominal voltage | U ₀ /U: 300/500 V |
| Test voltage | 3000 V AC |

Mechanical and thermal properties

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| 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 VDE 0207 part 21, 5GM3 |
| 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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