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| 0045200 | DATA SHEET |  |
| valid from: 27.01.2023 | ÖLFLEX® CRANE PUR | |

Application

ÖLFLEX® CRANE PUR is a halogen free reelable power and control cable for use in many hoists, transport equipment and conveyors. A central support element enables the cable for reeling under tensile stress. They are also suitable for use in dry and damp areas as well as wet industrial conditions. They are suitable for outdoor use if the indicated temperature range is observed.

Design

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| Design | based on EN 50525-2-21 |
| Conductor | extra fine wire strands of bare copper, acc. to IEC 60228, Class 6 |
| Insulation | TPE-E |
| Core identification code | acc. to VDE 0293-1, with GN/YE ground conductor up to 5 cores coloured acc. to HD 308 S2 starting at 6 cores: Black cores with white numbers acc. to DIN EN 50334 |
| Stranding | cores resp. bundles are stranded around a centre filler (PP or aramid cord) as support element |
| Inner sheath | TPU not flame retardant, halogen-free colour: yellow, RAL 1021 |
| Support braid | supporting braid based on aramid |
| Outer sheath | TPU acc. to EN 50363-10-2, flame retardant, halogen-free The outer sheath is interconnected with the aramid braid and the inner sheath colour: yellow, RAL 1021 |

Electrical properties at 20 °C

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| Specific volume resistivity | > 20 G Ω x cm |
| Nominal voltage | 600 / 1000 V |
| Test voltage | 4000 V AC |

Mechanical and thermal properties

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| Minimum bending radius | flexible use: 7,5 x outer diameter fixed installation: 4 x outer diameter |
| Temperature range | flexible use: -40°C to +80°C max. conductor temperature fixed installation: -50°C up to +80 °C max. conductor temperature |
| Flammability | flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2 |
| UV resistance | acc. to EN 50620 EN 50618 EN ISO 4892-2-2013, method A (change of colour allowed) |
| Oil resistance | acc. to EN 50363-10-2 |
| MUD resistance | acc. to NEK 606_2016 IEC 60092-360, Annex C+D |

General requirements

These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

Environmental information

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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