

1121200

DATA SHEETvalid from:
21.05.2024**ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV****LAPP****Application**

ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1kV cables are power and control cables with a black outer sheath for occasional flexible use and fixed installation subject to medium mechanical load conditions. They are also suitable for use in dry, damp or wet areas. They are suitable for outdoor use if the indicated temperature range is observed. They are largely resistant to acids, alkalis and (certain) oils at room temperature. They are suitable for occasional, non-automated movements. The maximum tensile load is 15 N/mm² of conductor cross-section during installation and operation. Compulsory guidance is not permitted. The screening braid protects against interference from electrical fields.

Application range: Plant engineering and construction, industrial machinery, heating air conditioning systems, power station, stage application.

Design

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| Design | based on VDE 0250-1 and VDE 0276-627 bzw. HD 627 S1 |
| Certification | EN 13501-6 and EN 50575 Classification of fire behaviour (article/dimension range see www.lappkabel.com/cpr) |
| Conductor | fine wire strands of bare copper acc. to IEC 60228 resp. EN 60228, class 5 |
| Insulation | PVC compound TI2 acc. to EN 50363-3 with increased requirements acc. to Lapp specification |
| Core identification code | acc. to VDE 0293-1, with or without GN/YE ground conductor black cores with white numbers acc. to EN 50334 |
| Stranding | cores are stranded in layers |
| Inner sheath | PVC compound TM2 acc. to EN 50363-4-1 colour: Black, similar RAL 9005 |
| Screen | braid of tinned copper, coverage 85 % (nominal value) |
| Outer sheath | PVC compound TM2 acc. to EN 50363-4-1 colour: black, similar RAL 9005 |

Electrical properties at 20 °C

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|-----------------------------|--|
| Specific volume resistivity | > 20 G Ω x cm |
| Transfer impedance | max. 250 mΩ/m (at 30 MHz) |
| Nominal voltage | U ₀ / U: 600 / 1000 V |
| Test voltage | core / core: 4000 V AC core / screen: 4000 V AC |

Mechanical and thermal properties

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|------------------------|---|
| Minimum bending radius | occasional flexing: 20 x outer diameter fixed installation: 6 x outer diameter |
| Temperature range | occasional flexing: - 5 °C up to +70 °C max. conductor temp. fixed installation: - 40 °C up to +80 °C max. conductor temp. |
| Flammability | flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2 |
| UV resistance | acc. to EN ISO 4892-2, Method A, EN 50289-4-17, Method A |
| Ozone resistance | acc. to EN 50396, method B |

Tests**General requirements**

acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396

These cables are conform to the EU-Directive 2014/35/EU
(Low Voltage Directive).A part of these cables (see www.lappkabel.com/cpr) are classified
in accordance with the EU-Regulation no. 305/2011 (CPR).**Environmental information**

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

AbN
automation

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