High electrical performance due to 4 kV test voltage





CE RoHS

Suitable for outdoor use

Cold-resistant

Torsion-resistant

UV-resistant

Info
Good outdoor performance

Application range
Plant engineering Industrial machinery Heating and air-conditioning systemsPower stationsStage applications
For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)
Suitable for outdoor applications
Suitable for direct burial

Design
Fine-wire strand made of bare copper wires
Core insulation: PVC, cold-resistant
PVC outer sheath, cold-resistant, black (RAL 9005)

Product features
Flame-retardant according IEC 60332-1-2
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396
Flexible down to -30 °C

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Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Other sizes and screened types are available upon request.
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Technical Data

Number of cores and mm² per conductor:	5 G 1,0
Outer diameter (mm):	10,4
Copper index (kg/km):	48
Weight (kg/km):	152
Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7
Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Torsion movement in WTG:	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U_0/U: 600/1000 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -30°C to +70°C Fixed installation: -40°C to +80°C

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