ÖLFLEX® DC 100

Colour-coded cable for the power supply of plants with DC grids

ÖLFLEX® DC 100 - colour-coded power cable for DC applications up to 0,75/1,5 kV DC

Info
Designed for DC applications in industrial environment with color code acc. EN 60445



Suitable for outdoor use

UV-resistant

Benefits
Specially constructed for the long term operation with DC voltage of max. 0,9 / 1,8 kV operating voltage
Suitable for the construction of energy efficient DC grids in industrial plants

Application range
Plant engineering
Industrial machinery
Heating and air-conditioning systems
Power stations
Stage applications
For plants where power is supplied by a direct current network
For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

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

Product Make-up

Last Update (23.02.2024)
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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Fine-wire strand made of bare copper wires
Core insulation: special PVC
Core colors: red (L+), white (L-), green-yellow
PVC outer sheath, black (similar RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000057 ETIM 6.0 Class-Description: Low voltage power cable
Core identification code:	red, white, green-yellow
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	DC (core-ground): max. 0,75 kV DC (core-core): max. 1,5 kV
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. 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).
Photographs and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
11101106	3 G 1.5	8.7	43	134.2
11101107	3 G 2.5	10.0	72	188.2
11101108	3 G 4.0	11.4	115	263.4
11101109	3 G 6.0	12.6	173	346.2
11101110	3 G 10.0	15.9	288	584.4
11101111	3 G 16.0	18.3	461	823.8
11101113	3 G 25.0	23.0	720	1071
11101114	3 G 35.0	25.6	1008	1684

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