

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 (10.12.2022)

©2022 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® DC 100

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 \leq 30 kg or \leq 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.

ÖLFLEX® DC 100

Article number	Number of cores and mm ² 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
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

Last Update (10.12.2022)

©2022 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16