

## ÖLFLEX® DC GRID 100

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

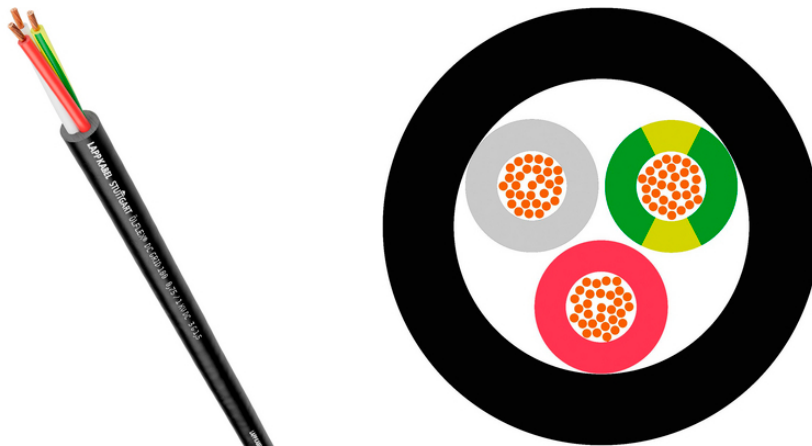
ÖLFLEX® DC GRID 100 - colour-coded flexible power cable for DC applications up to 0,75/1,5 kV DC, direct burial

### Info

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

Suitable for direct burial

Easy handling and installation due to flexible cable type



Suitable for outdoor use



UV-resistant

### Benefits

Good installation properties thanks to the fine-wire, flexible conductor

With color code according to EN 60445 for DC systems

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

Suitable for direct burial thanks to resistant insulating and sheathing material in accordance to DIN VDE 0276-603

### Application range

For plants where power is supplied by a direct current network

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Power stations

Stage applications

For open installation on cable tray

Suitable for direct burial

Can be used in dry, damp and wet environments

Last Update (24.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® DC GRID 100

### 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

Fine-wire strand made of bare copper wires  
Core insulation: special PVC  
Core colors: 3 conductors: red, white, green-yellow  
Core colors: 4 conductors: red, white, blue, 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:	According to EN 60445
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](http://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 GRID 100**

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
11101515	3 G 1.5	10.4	43.2	146
11101500	4 G 1.5	11.2	57.6	171
11101516	3 G 2.5	11.2	72	188
11101501	4 G 2.5	12.1	96	227
11101517	3 G 4.0	13.5	115.2	256
11101502	4 G 4.0	14.6	154	315
11101518	3 G 6.0	14.7	172.8	322
11101503	4 G 6.0	16.0	230	405
11101519	3 G 10.0	16.9	288	478
11101504	4 G 10.0	18.5	384	609
11101520	3 G 16.0	19.1	460.8	667
11101505	4 G 16.0	20.9	614	847
11101521	3 G 25.0	23.2	720	956
11101506	4 G 25.0	25.4	960	1228
11101522	3 G 35.0	25.4	1008	1280
11101507	4 G 35.0	28.0	1344	1652
11101523	3 G 50.0	28.5	1440	1771
11101508	4 G 50.0	31.6	1920	2304
11101524	3 G 70.0	32.6	2016	2392
11101509	4 G 70.0	36.2	2688	3126
11101525	3 G 95.0	37.3	2736	3134
11101514	4 G 95.0	45.6	3648	5120
11101526	3 G 120.0	41.2	3456	3900
11101510	4 G 120.0	41.4	4608	4096
11101527	3 G 150.0	45.9	4320	4825
11101511	4 G 150.0	51.1	5760	6330
11101528	3 G 185.0	50.8	5328	5871
11101512	4 G 185.0	56.3	7104	7667
11101529	3 G 240.0	57.4	6912	7707
11101513	4 G 240.0	63.9	9216	10084

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