

## ÖLFLEX® DC CHAIN 800

Highly flexible, DC power and control cable with TPE sheath - resistant to a wide range of chemical media

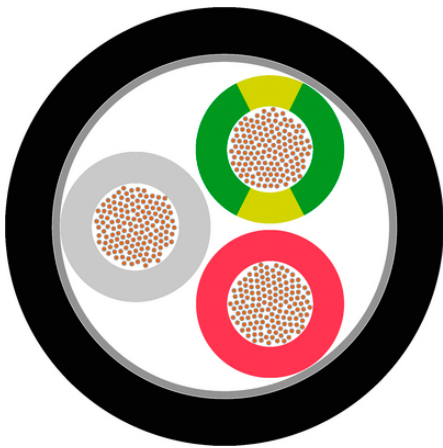
ÖLFLEX® DC CHAIN 800 - DC power and control cable for power chain application in harsh environmental conditions

### Info

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

Extended Line Performance - Long travel lengths or high acceleration

Good chemical resistance please see Appendix T1



Suitable for outdoor use



Halogen-free



Cold-resistant



Oil-resistant



Power chain



UV-resistant

### Benefits

With color code according to EN 60445 for DC systems

Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for indoor and outdoor applications

Resistant to contact with organic oils and the related emulsions as well as a multitude of plant, animal or synthetic-based greases and waxes

Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents

Well-suited to steam cleaning

Last Update (19.05.2025)

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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 CHAIN 800

Low particle emission at moved chain application

### Application range

For DC applications in the low-voltage range.

In power chains or moving machine parts

Machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works

Food and beverage industry, especially for production and processing equipment of milk and meat products

For indoor and outdoor use

### Product features

Color code according to EN 60445 for DC systems

Highly resistant to oil and chemicals

Ozone, UV and weather-resistant according to EN 50396 and HD 605 S2

Flexible down to -40 °C

### Norm references / Approvals

Color code according to EN 60445 for DC systems

For use in power chains: Please comply with assembly guideline Appendix T3

### Product Make-up

Extra-fine wire, tinned copper strands

Core insulation: TPE

Cores twisted together in extremely short lay lengths

Non-woven wrapping

Robust outer sheath made of special halogen-free TPE, black (similar RAL 9005)

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Core identification code:	According to EN 60445 red, white, green-yellow
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius:	Flexing: up from 7.5 x outer diameter (at temperatures < 70 °C) up from 10 x outer diameter (at max. temperature of 105 °C) 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:	Flexing: -40 °C to +105 °C Fixed installation: -50 °C to +105 °C

## ÖLFLEX® DC CHAIN 800

### Note

Unless specified otherwise, the shown product values are nominal values at room temperature. 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 CHAIN 800

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Weight (kg/km)
11101300	3 G 0.5	7.3	52
11101309	3 G 0.75	7.7	63
11101310	3 G 1.0	8.1	74
11101301	3 G 1.5	9.1	98
11101302	3 G 2.5	10.5	140
11101303	3 G 4.0	11.9	201
11101304	3 G 6.0	13.2	281
11101305	3 G 10.0	17.1	467
11101306	3 G 16.0	20	689
11101307	3 G 25.0	23.9	952
11101308	3 G 35.0	27.3	1375

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