

## ÖLFLEX® ROBUST 215 C

Proven all-weather control cable - screened and resistant to a wide range of chemical media

ÖLFLEX® ROBUST 215 C - Screened control cable, weather, bio oil, detergent and hot water resistant for use in food & beverage industry and composting plants

### Info

Good weather resistance

Good chemical resistance please see Appendix T1

EMC compliant copper screening



Suitable for outdoor use



Good chemical resistance



Halogen-free



Cold-resistant



Interference signals



UV-resistant



### Benefits

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

Last Update (09.11.2021)

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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® ROBUST 215 C

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 ammonia compounds and bio-gases

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

Well-suited to steam cleaning

### Application range

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

Agricultural equipment

For indoor and outdoor use

In EMC-sensitive environments

(electromagnetic compatibility)

### Product features

Good chemical resistance to ester-based hydraulic fluids

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

Flexible down to -40 °C

Low-capacitance design

Number-coded cores

### Norm references / Approvals

Based on VDE 0250 / 0285

Certified resistance to disinfection and cleaning solutions used in food and beverage industry

Suitable for use in fresh water down to 10 m depth at max. water temperature of +40 °C according to EN 50565-2

### Product Make-up

Fine-wire, bare copper conductor

Core insulation made of modified PP

Cores twisted in layers

Halogen-free plastic foil wrapping

Tinned copper screen braiding

Outer sheath made of special TPE

Sheath colour: black

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000104

ETIM 6.0 Class-Description: Control cable

Core identification code:

Black with white numbers acc. to VDE 0293-334

Conductor stranding:

Fine wire according to VDE 0295,  
class 5/IEC 60228 class 5

Minimum bending radius:

Occasional flexing: 20 x outer diameter  
Fixed installation: 6 x outer diameter

Nominal voltage:

U0/U: 300/500 V

Test voltage:

Core/core: 4000 V  
Core/screen: 2000 V

Protective conductor:

G = with GN-YE protective conductor  
X = without protective conductor

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## ÖLFLEX® ROBUST 215 C

Temperature range:

Occasional flexing: -40°C to +80°C

Fixed installation: -50°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 ≤ 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).

Single lengths for sizes: ≥ 4G16 max. 600 m; ≥ 4G25 max. 300 m; ≥ 4G50 max. 250 m

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.

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® ROBUST 215 C			
0022700	2 X 0.5	5.9	36
0022701	3 G 0.5	6.2	43
0022702	3 X 0.5	6.2	43
0022703	4 G 0.5	6.6	49
0022704	4 X 0.5	6.6	49
0022705	5 G 0.5	7.1	57
0022706	5 X 0.5	7.1	57
0022708	7 G 0.5	7.7	69
0022709	7 X 0.5	7.7	69
0022711	12 G 0.5	10.1	104
0022712	18 G 0.5	11.8	141
0022713	25 G 0.5	13.7	211
0022717	2 X 0.75	6.3	43
0022718	3 G 0.75	6.6	52
0022719	3 X 0.75	6.6	52
0022720	4 G 0.75	7.1	61
0022721	4 X 0.75	7.1	61
0022722	5 G 0.75	7.9	72
0022723	5 X 0.75	7.9	72
0022724	7 G 0.75	8.5	89
0022725	7 X 0.75	8.5	89
0022727	12 G 0.75	11.1	138
0022728	18 G 0.75	13	211
0022729	25 G 0.75	15.1	280
0022730	34 G 0.75	17.5	380
0022733	2 X 1.0	6.6	51
0022734	3 G 1.0	6.9	62
0022735	3 X 1.0	6.9	62
0022736	4 G 1.0	7.4	74
0022737	4 X 1.0	7.4	74
0022738	5 G 1.0	8.3	88
0022739	5 X 1.0	8.3	88
0022740	7 G 1.0	8.9	112

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
0022742	12 G 1.0	11.7	185
0022743	18 G 1.0	14.1	268
0022744	25 G 1.0	16.2	354
0022748	2 X 1.5	7.2	65
0022749	3 G 1.5	7.6	82
0022750	3 X 1.5	7.6	82
0022751	4 G 1.5	8.4	100
0022752	4 X 1.5	8.4	100
0022753	5 G 1.5	9.1	119
0022754	5 X 1.5	9.1	119
0022756	7 G 1.5	10	154
0022757	7 X 1.5	10	154
0022760	12 G 1.5	13.4	268
0022761	18 G 1.5	15.8	373
0022762	25 G 1.5	18.2	530
0022763	34 G 1.5	21.2	683
0022767	3 G 2.5	9.1	118
0022768	4 G 2.5	10	147
0022769	5 G 2.5	11.1	176
0022770	7 G 2.5	12	253
0022774	4 G 4.0	11.9	190
0022776	4 G 6.0	14.5	290
0022777	4 G 10.0	17.5	458
0022778	4 G 16.0	20.2	736.6
0022771	4 G 25.0	25.1	1,126.7
0022780	4 G 35.0	28	1540

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