

ÖLFLEX® ROBUST 215 C

Tried-and-tested all-weather control cable - shielded and resistant to a wide range of chemical media

ÖLFLEX® ROBUST 215 – shielded control cable, weather-resistant, bio-oil-resistant, detergent-resistant and hot-water-resistant for use in the food industry and in composting plants.

Info

Excellent weather-resistance

Good chemical resistance

EMC-compliant copper shielding



UV-resistant



Interference signals



Halogen-free



Good chemical resistance



Suitable for outdoor use



Cold-resistant

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Benefits

Outstanding weather, ozone and UV resistance together with the wide temperature range enable versatile use for indoor and outdoor applications
Resistant to contact with bio-oils, fats, waxes and their emulsions with a plant, animal or synthetic basis
Good resistance to ammonia compounds and biogases
Good resistance to cold and hot water as well as water-soluble cleaning and cooling agents
Suitable for frequent 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 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 at temperatures down to -40 °C
Low-capacitance design
Number cores

Norm references / approvals

Based on VDE 0250 / 0285
Certified resistance to disinfectant and cleaning solutions used in food and beverage industry

Design

Fine-wire, bare copper conductor
Core insulation made of modified PP
Cores twisted in layers
Halogen-free plastic foil wrapping
Tin-plated copper braiding
Outer sheath made of special TPE
Sheath colour: black

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-1
Conductor design:	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:	U ₀ /U: 300/500 V
Test voltage:	Core/Core: 4000 V Core/Shield: 2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -40°C to +80°C Fixed installation: -50°C to +80°C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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

Photographs 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 mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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0022700	2 X 0.5	5.9	36	42
0022701	3 G 0.5	6.2	43	52
0022702	3 X 0.5	6.2	43	52
0022703	4 G 0.5	6.6	49	59
0022704	4 X 0.5	6.6	49	59
0022705	5 G 0.5	7.1	57	68
0022706	5 X 0.5	7.1	57	68
0022708	7 G 0.5	7.7	69	85
0022709	7 X 0.5	7.7	69	85
0022711	12 G 0.5	10.1	104	136
0022712	18 G 0.5	11.8	141	189
0022713	25 G 0.5	13.7	211	265
0022717	2 X 0.75	6.3	43	50
0022718	3 G 0.75	6.6	52	60
0022719	3 X 0.75	6.6	52	60
0022720	4 G 0.75	7.1	61	72
0022721	4 X 0.75	7.1	61	72
0022722	5 G 0.75	7.9	72	88
0022723	5 X 0.75	7.9	72	88
0022724	7 G 0.75	8.5	89	110
0022725	7 X 0.75	8.5	89	110
0022727	12 G 0.75	11.1	138	177
0022728	18 G 0.75	13	211	247
0022729	25 G 0.75	15.1	280	347
0022730	34 G 0.75	17.5	380	460
0022733	2 X 1	6.6	51	60
0022734	3 G 1	6.9	62	70
0022735	3 X 1	6.9	62	70
0022736	4 G 1	7.4	74	85
0022737	4 X 1	7.4	74	85
0022738	5 G 1	8.3	88	103
0022739	5 X 1	8.3	88	103
0022740	7 G 1	8.9	112	131

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0022742	12 G 1	11.7	185	213
0022743	18 G 1	14.1	268	321
0022744	25 G 1	16.2	354	425
0022748	2 X 1.5	7.2	65	71
0022749	3 G 1.5	7.6	82	90
0022750	3 X 1.5	7.6	82	90
0022751	4 G 1.5	8.4	100	114
0022752	4 X 1.5	8.4	100	114
0022753	5 G 1.5	9.1	119	136
0022754	5 X 1.5	9.1	119	136
0022756	7 G 1.5	10	154	177
0022757	7 X 1.5	10	154	177
0022760	12 G 1.5	13.4	268	290
0022761	18 G 1.5	15.8	373	435
0022762	25 G 1.5	18.2	530	579
0022763	34 G 1.5	21.2	683	797
0022767	3 G 2.5	9.1	118	134
0022768	4 G 2.5	10	147	169
0022769	5 G 2.5	11.1	176	207
0022770	7 G 2.5	12	253	270
0022774	4 G 4	11.9	190	258
0022776	4 G 6	14.5	290	392
0022777	4 G 10	17.5	458	602
0022778	4 G 16	20.2	736.6	928
0022771	4 G 25	25.1	1,126.7	1411
0022780	4 G 35	28	1540	1883

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