ÖLFLEX® ROBUST 200

Proven all-weather connection cable - resistant against a variety of chemical media

ÖLFLEX® ROBUST 200 - Power 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
Voltage class 450/750 V

Suitable for outdoor use

Good chemical resistance

Halogen-free

Cold-resistant

UV-resistant

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 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

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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

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
Colour-coded up to 5 cores

Norm references / Approvals

Based on EN 50525-2-51
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
Outer sheath made of special TPE
Sheath colour: black

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:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 450/750 V
Test voltage:	4000 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

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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 ≤ 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.

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0021836	4 G 50.0	36.2	1920	3454
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0021800	2 X 1.0	8	19.2	65
0021801	3 G 1.0	8.4	29	79
0021802	4 G 1.0	9.2	38.4	96
0021803	5 G 1.0	10	48	113
0021805	2 X 1.5	8.6	29	78
0021806	3 G 1.5	9.1	43	97
0021807	4 G 1.5	9.9	58	122
0021808	5 G 1.5	10.8	72	146
0021809	7 G 1.5	13.5	101	208
0021810	2 X 2.5	9.8	48	114
0021811	3 G 2.5	10.4	72	144
0021812	4 G 2.5	11.5	96	181
0021813	5 G 2.5	13.1	120	222
0021814	7 G 2.5	15.9	168	312
0021816	3 G 4.0	12.4	115.2	215
0021817	4 G 4.0	14	154	273
0021818	5 G 4.0	15.8	192	333
0021822	4 G 6.0	15.7	230	378
0021823	5 G 6.0	17.2	288	463
0021825	4 G 10.0	19.4	384	570
0021826	5 G 10.0	21.4	480	770
0021828	4 G 16.0	22.4	614	885
0021829	5 G 16.0	24.6	768	1100
0021831	4 G 25.0	27	960	1365
0021833	4 G 35.0	29.7	1344	1773

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