

**Harsh use conditions**

Increased mechanical and chemical resistance

# ÖLFLEX® ROBUST 200



**Info**

- Robust and weatherproofed
- High chemical resistance

**Benefits**

- Saving effects due to a wide range of applications
- Thanks to the broad temperature range worldwide applicable
- Good combination of quality and price

**Application range**

- Machine tool manufacture, 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
- In environments where exposed to oils, fats, waxes (vegetable or animal based or synthetic) or their emulsions
- For indoor and outdoor use

**Product features**

- Halogen free materials
- High dielectric strength and low mutual capacitance
- Good resistance to hot and cold water as well as to water-soluble cleaning agents (tensides, soaps,...)
- UV resistant and weather proof
- Flexible down to -40 °C

**Approvals (Norm references)**



**Design**

- Fine strands of bare copper wires
- Core insulation: Modified PP
- Cores twisted in layers in short lay lengths
- Robust outer sheath made of special halogen-free TPE, black (RAL 9005)

**Technical data**

**Core identification code**  
Up to 5 cores: according to VDE 0293-308 (appendix T9)  
Starting at 6 cores: Black with white numbers

**Based on**  
HD 22.10 (VDE 0282 Part 10)

**Specific insulation resistance**  
> 20 GOhm x cm

**Conductor stranding**  
Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5

**Minimum bending radius**  
Occasional flexing: 10 x cable diameter  
Fixed installation: 4 x cable diameter

**Rated voltage**  
U<sub>0</sub>/U: 450/750 V

**Test voltage**  
4000 V

**Protective conductor**  
G = with protective conductor GN/YE  
X = without protective conductor

**Range of temperature**  
Occasional flexing: -40°C up to +80°C  
Fixed installation: -50°C up to +80°C

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
<b>ÖLFLEX® ROBUST 200</b>				
0021800	2 X 1	8.0	19.2	65
0021801	3 G 1	8.4	29.0	79
0021802	4 G 1	9.2	38.4	96
0021803	5 G 1	10.0	48.0	113
0021805	2 X 1.5	8.6	29.0	78
0021806	3 G 1.5	9.1	43.0	97
0021807	4 G 1.5	9.9	58.0	122
0021808	5 G 1.5	10.8	72.0	146
0021809	7 G 1.5	13.5	101.0	208
0021810	2 X 2.5	9.8	48.0	114
0021811	3 G 2.5	10.4	72.0	144
0021812	4 G 2.5	11.5	96.0	181
0021813	5 G 2.5	13.1	120.0	222
0021814	7 G 2.5	15.9	168.0	312
0021816	3 G 4	12.4	115.2	215
0021817	4 G 4	14.0	154.0	273
0021818	5 G 4	15.8	192.0	333
0021822	4 G 6	15.7	230.0	378
0021823	5 G 6	17.2	288.0	463
0021825	4 G 10	19.4	384.0	570
0021826	5 G 10	21.4	480.0	770
0021828	4 G 16	22.4	614.0	885
0021829	5 G 16	24.6	768.0	1,100
0021831	4 G 25	27.0	960.0	1,365
0021833	4 G 35	29.7	1,344.0	1,773
0021836	4 G 50	36.2	1,920.0	3,454

Copper price basis: EUR 150 / 100 kg; For utilization and definition of „Metal price basis“ and „Metal index“ see Appendix T17  
Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum  
Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)  
Single lengths for sizes: ≥ 4G16 max. 600m; ≥ 4G25 max. 300m; ≥ 4G50 max. 250m

**Comparable products**

- ÖLFLEX® ROBUST 210 see page 61
- ÖLFLEX® ROBUST 215 C see page 62
- ÖLFLEX® FD ROBUST see page 121
- ÖLFLEX® FD ROBUST C see page 122

**Accessories**

- Stainless steel - Box Starter - Set see page 872
- SKINTOP® MS-M see page 650
- SKINTOP® ST-HF-M see page 644

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 UNITRONIC®  
 ETHERLINE®  
 HITRONIC®  
 EPIC®  
 SKINTOP®  
 SILVYN®  
 FLEXIMARK®  
 ACCESSORIES  
 APPENDIX