

Product Description

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



LAPP KABEL STUTTGART ÖLFLEX® ROBUST 200 CE



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

Benefits

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

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)

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



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

U0/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

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® ROBUST 200				
0021800	2 X 1,0	8.0	19.2	65
0021801	3 G 1,0	8,4	29.0	79
0021802	4 G 1,0	9,2	38.4	96
0021803	5 G 1,0	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	1100
0021831	4 G 25	27.0	960.0	1365
0021833	4 G 35	29,7	1344.0	1773
0021836	4 G 50	36,2	1920.0	3454

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

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

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

Photographs are not to scale and do not represent detailed images of the respective products.