

VDE-tested characteristics

Product Description



Application range

- Public buildings
- Airport, railway station
- Plant engineering Industrial machinery Heating and air-conditioning systems
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
- In EMC-sensitive environments (electromagnetic compatibility)

Design

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free
- Halogen-free plastic foil wrapping
- Tinned-copper braiding
- Outer sheath made of special halogen-free compound, grey (RAL 7001)

Product features

- Flame-retardant according to IEC 60332-1-2 (flame spread on a single cable)
- No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Low smoke density according to IEC 61034



Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Based on

VDE 0281 Part 14

Specific insulation resistance

> 10 MOhm x km

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

Temperature range

Occasional flexing: -15°C to +70°C

Fixed installation: -40°C to +70°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 135 CH				
1123200	2 X 0,5	5,9	36.0	51
1123201	3 G 0,5	6,2	43.0	61
1123202	3 X 0,5	6,2	43.0	61
1123203	4 G 0,5	6,6	49.0	72
1123204	4 X 0,5	6,6	49.0	72
1123205	5 G 0,5	7,1	57.0	85
1123206	5 X 0,5	7,1	57.0	85
1123208	7 G 0,5	7,7	69.0	103
1123209	7 X 0,5	7,7	69.0	103
1123213	12 G 0,5	10,1	104.0	165
1123217	18 G 0,5	11,8	141.0	236
1123220	25 G 0,5	13,7	224.0	324
1123232	2 X 0,75	6,3	43.0	60
1123233	3 G 0,75	6,6	52.0	77
1123234	3 X 0,75	6,6	52.0	77
1123235	4 G 0,75	7,1	61.0	87
1123236	4 X 0,75	7,1	61.0	87
1123237	5 G 0,75	7,9	72.0	106

1123238	5 X 0,75	7,9	72.0	106
1123241	7 G 0,75	8,5	89.0	129
1123242	7 X 0,75	8,5	89.0	129
1123247	12 G 0,75	11,1	138.0	211
1123248	12 X 0,75	11,1	138.0	211
1123251	18 G 0,75	13.0	211.0	307
1123254	25 G 0,75	15,1	280.0	413
1123266	2 X 1,0	6,6	51.0	79
1123267	3 G 1,0	6,9	62.0	88
1123268	3 X 1,0	6,9	62.0	88
1123269	4 G 1,0	7,4	74.0	106
1123270	4 X 1,0	7,4	74.0	106
1123271	5 G 1,0	8,3	88.0	124
1123272	5 X 1,0	8,3	88.0	124
1123274	7 G 1,0	8,9	112.0	155
1123275	7 X 1,0	8,9	112.0	155
1123280	12 G 1,0	11,7	185.0	250
1123281	12 X 1,0	11,7	185.0	250
1123284	18 G 1,0	14,1	268.0	368
1123290	25 G 1,0	16,2	354.0	493
1123291	25 X 1,0	16,2	354.0	493
1123306	2 X 1,5	7,2	65.0	91
1123307	3 G 1,5	7,6	82.0	112
1123308	3 X 1,5	7,6	82.0	112
1123309	4 G 1,5	8,4	100.0	141
1123310	4 X 1,5	8,4	100.0	141
1123311	5 G 1,5	9,1	119.0	161
1123312	5 X 1,5	9,1	119.0	161
1123314	7 G 1,5	10.0	154.0	206
1123315	7 X 1,5	10.0	154.0	206
1123320	12 G 1,5	13,4	268.0	355
1123324	18 G 1,5	15,8	373.0	517
1123328	25 G 1,5	18,2	530.0	705
1123339	2 X 2,5	8,6	96.0	128
1123340	3 G 2,5	9,1	118.0	157
1123342	4 G 2,5	10.0	147.0	201
1123344	5 G 2,5	11,1	176.0	248
1123346	7 G 2,5	12.0	253.0	313
1123349	12 G 2,5	16,3	385.0	524
1123359	3 G 4	10,6	178.0	231
1123360	4 G 4	11,8	248.0	291

1123361	5 G 4	13,3	269.0	361
1123362	7 G 4	14,6	371.0	468
1123366	3 G 6	12,7	240.0	318
1123367	4 G 6	14,2	343.0	437
1123368	5 G 6	15,5	441.0	510
1123369	7 G 6	17.0	510.0	662
1123372	4 G 10	17,2	535.0	685
1123373	5 G 10	19,5	592.0	824
1123374	7 G 10	21,4	820.0	1067
1123377	4 G 16	20,2	736.0	1036
1123378	5 G 16	22,6	895.0	1285
1123381	4 G 25	25,1	1129.0	1663
1123382	5 G 25	28.0	1400.0	1976
1123385	4 G 35	28,2	1546.0	2052

Footnote:

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to 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 \leq 30 kg or \leq 250 m, otherwise drum

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

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