



# ÖLFLEX® CLASSIC 135 CH BK 0,6/1 kV

VDE-tested characteristics

LAPP KABEL STUÏTGART ÖLFLEX® CLASSIC 135 CH BK 0,6/1kV  
HFFR IEC 60332.3 CE AWM Style 21288 80° 1000V E63634

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### Benefits

- Easy installation due to flexible design
- Space-saving installation due to small cable diameters

### Application range

- Public buildings
- 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
- For outdoor applications
- Note: for the use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79 Ed. 2012: please see the catalogue appendix table T29

### 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 61034-2
- UV and weather-resistant according to ISO 4892-2
- Ozone-resistant according to EN 50396

### Norm references / Approvals

- Based on EN 50525-3-11
- UL AWM single core style 10559 is introduced into the serial manufacturing and step by step into the stock
- UL AWM jacket style 21288 is introduced into the serial manufacturing and step by step into the stock

### Product make-up

- 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, black (RAL 9005)

**Info**

- Outdoors
- Public buildings
- EMC/Screened

**Technical data**

**Classification**  
ETIM 5.0 Class-ID: EC000057  
ETIM 5.0 Class-Description: Low voltage power 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

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

**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**  
U<sub>0</sub>/U: 600/1000 V  
UL: 1000 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 +80°C  
UL: +80°C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores</b>				
1123460	2 X 1.0	9.4	39.5	120
1123461	3 G 1.0	9.8	51.0	140
1123462	4 G 1.0	10.4	62.8	165
1123463	5 G 1.0	11.2	76.0	191
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - numbered cores</b>				
1123464	7 G 1.0	11.9	97.2	231
1123465	12 G 1.0	15.0	169.1	360
1123466	18 G 1.0	17.3	238.2	494
1123467	25 G 1.0	19.8	315.5	643
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores</b>				
1123468	2 X 1.5	10.4	53.2	149
1123469	3 G 1.5	10.9	69.5	177
1123470	4 G 1.5	11.6	86.5	209
1123471	5 G 1.5	12.5	104.3	243
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - numbered cores</b>				
1123472	7 G 1.5	13.4	136.5	300
1123473	12 G 1.5	17.3	238.3	486
1123474	18 G 1.5	20.2	355.4	691
1123475	25 G 1.5	23.1	475.1	914
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores</b>				
1123476	2 X 2.5	11.6	79.4	197

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123477	3 G 2.5	12.1	106.1	243
1123478	4 G 2.5	13.0	134.3	293
1123479	5 G 2.5	14.1	158.3	342
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - numbered cores</b>				
1123480	7 G 2.5	15.4	225.0	462
1123481	12 G 2.5	20.1	383.6	718
1123482	18 G 2.5	23.4	548.9	1011
1123483	25 G 2.5	27.4	761.7	1370
<b>ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores</b>				
1123484	3 G 4	13.4	167.7	327
1123485	4 G 4	14.7	211.9	399
1123486	5 G 4	15.9	250.3	471
1123487	3 G 6	14.9	232.1	414
1123488	4 G 6	16.1	298.5	519
1123489	5 G 6	17.8	356.1	607
1123490	4 G 10	20.1	490.6	837
1123491	5 G 10	21.9	586.6	995
1123492	4 G 16	22.5	735.1	1157
1123493	5 G 16	25.0	888.7	1407
1123494	4 G 25	27.8	1,126.6	1683

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 catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://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).  
Photographs are not to scale and do not represent detailed images of the respective products.

### Similar products

- ÖLFLEX® CLASSIC 110 CH refer to page 57
- ÖLFLEX® CLASSIC 135 CH refer to page 61

### Accessories

- SKINTOP® MS-M BRUSH refer to page 675