

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 135 CH BK 0,6/1kV	12.09.2012

VDE-tested characteristics



Info

Colour-coded up to 5 cores Numbered from 6 cores up
 UV and weather-resistant according to ISO 4892-2
 Ozone-resistant according to EN 50396

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
 For outdoor applications

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, black (RAL 9005)

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

Remark

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 ≤ 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.

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Technical Data

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
Based on:	HD 21.14 S1 VDE 0281 Part 14
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 ₀ /U: 600/1000 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 +70°C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores				
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
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - numbered cores				
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
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores				
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
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - numbered cores				
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
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores				
1123476	2 X 2,5	11,6	79.4	197
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
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - numbered cores				
1123480	7 G 2,5	15,4	225.0	462
1123481	12 G 2,5	20,1	383.6	718

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123482	18 G 2,5	23,4	548.9	1011
1123483	25 G 2,5	27,4	761.7	1370
ÖLFLEX® CLASSIC 135 CH 0.6/1 kV - coloured cores				
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	1126.6	1683