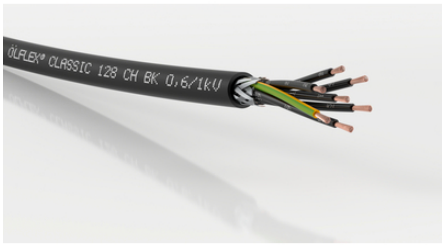
ÖLFLEX® CLASSIC 128 CH BK 0,6/1 kV

Cost-effective halogen-free control cable with improved fire characteristics, 0,6/1kV, with screen

ÖLFLEX® CLASSIC 128 CH BK 0,6/1 kV Power and Control Cable, halogen-free/ highly flame retardant, HFFR, flexible, conductor class 5, screened, public buildings

Info

For space-saving and cost-effective installation
For use within public buildings and industrial plants
EMC/Screened



Suitable for outdoor use

Flame-retardant

Halogen-free

Interference signals

UV-resistant

Benefits

Easy handling and 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

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Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
Suitable for outdoor applications
In EMC-sensitive environments
(electromagnetic compatibility)

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

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 coumpound, black

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000057 ETIM 6.0 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
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: 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: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

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

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Copper price basis: EUR 150/100 kg. 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
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 and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1123557	2 X 1.0	8.2	39.5	107
1123558	3 G 1.0	8.6	51	129
1123559	4 G 1.0	9.2	62.8	153
1123560	5 G 1.0	10.0	76	181
1123561	7 G 1.0	10.7	97.2	220
1123562	12 G 1.0	14.0	169.1	343
1123564	25 G 1.0	19.0	315.5	667
1123565	2 X 1.5	9.2	53.2	135
1123566	3 G 1.5	9.7	69.5	164
1123567	4 G 1.5	10.4	86.5	199
1123568	5 G 1.5	11.3	104.3	236
1123569	7 G 1.5	12.2	136.5	292
1123570	12 G 1.5	16.3	238.3	498
1123571	18 G 1.5	19.4	355.4	700
1123573	2 X 2.5	10.4	79.4	176
1123574	3 G 2.5	10.9	106.1	218
1123575	4 G 2.5	11.8	134.3	268
1123576	5 G 2.5	12.9	158.3	322
1123577	7 G 2.5	14.4	225	411
1123578	12 G 2.5	19.3	383.6	704
1123579	18 G 2.5	23.0	548.9	1058
1123580	25 G 2.5	26.8	761.7	1449
1123582	4 G 4.0	13.5	211.9	357
1123583	5 G 4.0	14.9	250.3	434
1123584	3 G 6.0	13.7	232.1	372
1123585	4 G 6.0	15.1	298.5	472
1123586	5 G 6.0	16.8	356.1	611

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