Halogen-free control cable with improved fire characteristics
Easy installation due to flexible design



Flame-retardant

Halogen-free

Info
VDE-certified
For use within public buildings and industrial plants

Application range
Public buildings like airports or railway stations
Plant engineering Industrial machinery Heating and air-conditioning systemsStage applications
Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
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

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

Norm references / Approvals
UL AWM style 21089 is introduced into the serial manufacturing and step by step into the stock
Based on EN 50525-3-11
Based on EN 50525-2-51

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

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 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).
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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Low voltage power cable
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: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U_0/U: 300/500 V UL: 600 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -15°C to +70°C (UL: +75°C) Fixed installation: -40°C to +70°C (UL: +75°C)

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 130 H				
1123000	2 X 0,5	5,1	9.6	36
1123001	3 G 0,5	5,4	14.4	42
1123002	3 X 0,5	5,4	14.4	42
1123003	4 G 0,5	5,8	19.2	55
1123004	4 X 0,5	5,8	19.2	55
1123005	5 G 0,5	6,3	24.0	65
1123006	5 X 0,5	6,3	24.0	65
1123008	7 G 0,5	6,9	33.6	80
1123009	7 X 0,5	6,9	33.6	80
1123010	8 G 0,5	8,2	38.4	103
1123012	10 G 0,5	8,8	48.0	112
1123013	12 G 0,5	9,1	57.6	128
1123017	18 G 0,5	10,8	86.4	189
1123020	25 G 0,5	12,7	120.0	260
1123021	30 G 0,5	13,6	144.0	294
1123032	2 X 0,75	5,5	14.4	47
1123033	3 G 0,75	5,8	21.6	56
1123034	3 X 0,75	5,8	21.6	56
1123035	4 G 0,75	6,3	28.8	69
1123036	4 X 0,75	6,3	28.8	69
1123037	5 G 0,75	6,9	36.0	83
1123038	5 X 0,75	6,9	36.0	83
1123041	7 G 0,75	7,5	50.4	104
1123042	7 X 0,75	7,5	50.4	104
1123046	10 G 0,75	9,8	72.0	149
1123047	12 G 0,75	10,1	86.4	172
1123048	12 X 0,75	10,1	86.4	172
1123051	18 G 0,75	12.0	129.6	252
1123054	25 G 0,75	14,1	180.0	352
1123056	34 G 0,75	16,3	244.8	466
1123066	2 X 1,0	5,8	19.2	55

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123067	3 G 1,0	6,1	28.8	67
1123068	3 X 1,0	6,1	28.8	67
1123069	4 G 1,0	6,6	38.4	83
1123070	4 X 1,0	6,6	38.4	83
1123071	5 G 1,0	7,3	48.0	100
1123072	5 X 1,0	7,3	48.0	100
1123074	7 G 1,0	8,1	67.2	130
1123075	7 X 1,0	8,1	67.2	130
1123076	8 G 1,0	9,7	76.8	164
1123078	10 G 1,0	10,4	96.0	183
1123080	12 G 1,0	10,7	115.2	212
1123081	12 X 1,0	10,7	115.2	212
1123083	16 G 1,0	12,1	153.6	275
1123084	18 G 1,0	12,9	172.8	314
1123090	25 G 1,0	15.0	240.0	429
1123094	34 G 1,0	17,5	326.4	570
1123106	2 X 1,5	6,4	28.8	72
1123107	3 G 1,5	6,8	43.2	88
1123108	3 X 1,5	6,8	43.2	88
1123109	4 G 1,5	7,4	57.6	110
1123110	4 X 1,5	7,4	57.6	110
1123111	5 G 1,5	8,3	72.0	135
1123112	5 X 1,5	8,3	72.0	135
1123114	7 G 1,5	9.0	100.8	174
1123115	7 X 1,5	9.0	100.8	174
1123116	8 G 1,5	10,8	115.2	223
1123118	10 G 1,5	11,8	144.0	250
1123120	12 G 1,5	12,2	172.8	289
1123124	18 G 1,5	14,6	259.2	433
1123128	25 G 1,5	17,2	360.0	596
1123130	34 G 1,5	19,8	489.6	786
1123139	2 X 2,5	7,6	48.0	110

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1123140	3 G 2,5	8,3	72.0	137
1123142	4 G 2,5	9.0	96.0	174
1123144	5 G 2,5	10,1	120.0	217
1123146	7 G 2,5	11,2	168.0	283
1123149	12 G 2,5	15,1	288.0	467
1123151	18 G 2,5	18.0	432.0	696
1123153	25 G 2,5	21,1	600.0	969
1123159	3 G 4	9,8	115.2	213
1123160	4 G 4	10,8	153.6	267
1123161	5 G 4	12,1	192.0	331
1123162	7 G 4	13,4	268.8	432
1123166	3 G 6	11,7	172.8	303
1123167	4 G 6	13.0	230.4	388
1123168	5 G 6	14,5	288.0	480
1123169	7 G 6	16.0	403.2	626
1123172	4 G 10	16,2	384.0	601
1123173	5 G 10	18,1	480.0	735
1123177	4 G 16	18,8	614.4	917
1123178	5 G 16	21,2	768.0	1148
1123181	4 G 25	23,5	960.0	1418
1123182	5 G 25	26,4	1200.0	1769
1123185	4 G 35	26,6	1344.0	1905

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