

Product Description

High electrical performance due to 4kV test voltage; For multi-purpose applications



Application range

- Plant engineering and construction Industrial machinery Air conditioning installations
- machine tools
- Mainly in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use
- For fixed installation under medium mechanical load conditions as well as occasional flexing at free, non-continuously recurring movement without tensile load or compulsory guidance
- Note: Single conductor or multi-conductor Type AWM (Appliance Wiring Material) shall be permitted for industrial machinery (US) when part of a listed assembly suitable for the intended use only. NFPA 79 Edition 2007 §12.2.7.3 (Electrical Standard for Industrial Machinery)

Benefits

- High electrical performance due to 4kV test voltage
- For multi-purpose applications

Design

- Fine strands of bare copper wires
- PVC core insulation
- PVC outer sheath, increased oil resistance grey (RAL 7001)

Approvals (Norm references)

- Multi standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil nominal sizes. The master size is mentioned in the table below, the equivalent size of the other system can be found in the catalogue appendix table T16. For this related secondary size the conductor cross-section mostly works out greater than the specified nominal value.

Product features

- Flame retardant according to IEC 60332-1-2 and UL 1581 §1061 Cable Flame Test
- Increased oil resistance



Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Approvals

UL AWM Style 21098 or 2587 CSA AWM I A/B II

A/B

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC

60228 Class 5

Minimum bending radius

Occasional flexing: 15 x cable diameter

Fixed installation: 4 x cable diameter

Rated voltage

HAR U0/U: 300/500 V

UL/CSA: 600 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Occasional flexing: HAR: -5°C up to +70°C UL/CSA: -5°C up to +90 °C

Fixed installation: HAR: -40°C up to +70°C UL/CSA: -40°C up to +90°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® 191				
0011106	18 G 0,5	12,1	86.4	267
0011218	2 X 0,75	5,9	14.4	51
0011219	3 G 0,75	6,3	21.6	61
0011220	4 G 0,75	6,8	28.8	74
0011221	5 G 0,75	7,5	36.0	88
0011222	7 G 0,75	8,3	50.4	116
0011223	9 G 0,75	10,5	64.8	152
0011224	12 G 0,75	11,2	86.4	194
0011225	18 G 0,75	13,3	129.6	275
0011226	25 G 0,75	16,1	180.0	383
0011113	3 G 1,0	6,7	28.8	66
0011114	4 G 1,0	7,2	38.4	81
0011115	5 G 1,0	8,1	48.0	95
0011116	7 G 1,0	8,9	67.2	125
0011117	12 G 1,0	12.0	115.2	211
0011118	18 G 1,0	14,4	172.8	309
0011119	25 G 1,0	17,3	240.0	413



0011136	2 X 1,5	6,9	28.8	74
0011137	3 G 1,5	7,3	44.0	91
0011138	4 G 1,5	8,2	58.0	112
0011139	5 G 1,5	9.0	72.0	136
0011140	7 G 1,5	10.0	101.0	179
0011125	9 G 1,5	12,7	129.6	230
0011142	12 G 1,5	13,4	173.0	313
0011143	18 G 1,5	16,1	260.0	444
0011144	25 G 1,5	19,5	360.0	620
0011150	3 G 2,5	8,4	72.0	138
0011151	4 G 2,5	9,1	96.0	182
0011152	5 G 2,5	10,2	120.0	216
0011153	7 G 2,5	11,4	168.0	286
0011160	3 G 4	10.0	115.2	202
0011161	4 G 4	10,9	154.0	245
0011162	5 G 4	12,2	192.0	286
0011167	7 G 4	13,5	268.8	470
0011165	4 G 6	13.0	231.0	398
0011166	5 G 6	14,5	288.0	479
0011169	4 G 10	16,7	384.0	559
0011170	5 G 10	18,4	480.0	782
0011172	4 G 16	22,1	615.0	904.2
0011173	5 G 16	24,3	768.0	1171
0011175	4 G 25	25,6	960.0	1299
0011176	5 G 25	28.0	1200.0	1640
0011178	4 G 35	28,1	1344.0	2119
0011179	5 G 35	31,5	1680.0	2606
0011205	4 G 50	35,7	1920.0	2898
0011206	4 G 70	43.0	2688.0	4052
0011207	4 G 95	47,2	3648.0	5430
0011208	4 G 120	54,2	4608.0	6290

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired make-up (e.g. 1 x 600 m drum or 8 x 75 m coils)

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