

ÖLFLEX® 191



Info

- Conductor cross section up to AWG 4/0 (120mm²)

Benefits

- High electrical performance due to 4kV test voltage
- Wide range of application opportunities

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
- **Amendment:** 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)



Product features

- Flame retardant acc. to IEC 60332-1-2 and UL 1581 §1061 Cable Flame Test
- Increased oil resistance
- Fulfils metrical and AWG specification of conductor cross section

Approvals (Norm references)



Product Make-up

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

Technical data

- Core identification code**
black with white numbers acc. to VDE 0293
- Approvals**
UL AWM Style 21098
CSA AWM I A/B II A/B
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
fine wire acc. to
VDE 0295 Kl.5 / IEC 60228 Cl.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 to +70 °C
UL/CSA: -5 °C to +90 °C
fixed installation:
HAR: -40 °C to +70 °C
UL/CSA: -40 °C to +90 °C

Part number	Number of cores and mm ² per conductor	AWG	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® 191					
0011106	18 G 0.5	21	12.1	86.4	267
0011218	2 X 0.75	19	5.9	14.4	51
0011219	3 G 0.75	19	6.3	21.6	61
0011220	4 G 0.75	19	6.8	28.8	74
0011221	5 G 0.75	19	7.5	36.0	88
0011222	7 G 0.75	19	8.3	50.4	116
0011223	9 G 0.75	19	10.5	64.8	152
0011224	12 G 0.75	19	11.2	86.4	194
0011225	18 G 0.75	19	13.3	129.6	275
0011226	25 G 0.75	19	16.1	180.0	383
0011113	3 G 1	18	6.7	28.8	66
0011114	4 G 1	18	7.2	38.4	81
0011115	5 G 1	18	8.1	48.0	95
0011116	7 G 1	18	8.9	67.2	125
0011117	12 G 1	18	12.0	115.2	211
0011118	18 G 1	18	14.4	172.8	309
0011119	25 G 1	18	17.3	240.0	413
0011136	2 X 1.5	16	6.9	28.8	74
0011137	3 G 1.5	16	7.3	44.0	91
0011138	4 G 1.5	16	8.2	58.0	112
0011139	5 G 1.5	16	9.0	72.0	136
0011140	7 G 1.5	16	10.0	101.0	179
0011125	9 G 1.5	16	12.7	129.6	230
0011142	12 G 1.5	16	13.4	173.0	313

Part number	Number of cores and mm ² per conductor	AWG	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0011143	18 G 1.5	16	16.1	260.0	444
0011144	25 G 1.5	16	19.5	360.0	620
0011150	3 G 2.5	14	8.4	72.0	138
0011151	4 G 2.5	14	9.1	96.0	182
0011152	5 G 2.5	14	10.2	120.0	216
0011153	7 G 2.5	14	11.4	168.0	286
0011160	3 G 4	12	10.0	115.2	232
0011161	4 G 4	12	10.9	154.0	295
0011162	5 G 4	12	12.2	192.0	354
0011167	7 G 4	12	13.5	268.8	540
0011165	4 G 6	10	13.0	231.0	398
0011166	5 G 6	10	14.5	288.0	479
0011169	4 G 10	8	16.7	384.0	648
0011170	5 G 10	8	18.7	480.0	782
0011172	4 G 16	6	21.4	615.0	1,040
0011173	5 G 16	6	24.1	768.0	1,254
0011175	4 G 25	4	25.6	960.0	1,501
0011176	5 G 25	4	28.8	1,200.0	1,853
0011178	4 G 35	2	28.9	1,344.0	2,119
0011179	5 G 35	2	32.4	1,680.0	2,606
0011205	4 G 50	1	35.7	1,920.0	2,898
0011206	4 G 70	2/0	43.0	2,688.0	4,052
0011207	4 G 95	3/0	47.2	3,648.0	5,430
0011208	4 G 120	4/0	54.2	4,608.0	6,290

Copper price basis: EUR 150 / 100 kg
Our standard lengths, please visit: 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)

Comparable products

- ÖLFLEX® 150 QUATTRO see page 47
- ÖLFLEX® CONTROL TM see page 51
- ÖLFLEX® Tray II see page 53
- ÖLFLEX® CONTROL M see page 74

Accessories

- SKINTOP® CLICK see page 557
- SKINTOP® ST-M see page 555
- Cable shears KT 4 and KT 5 see page 820

