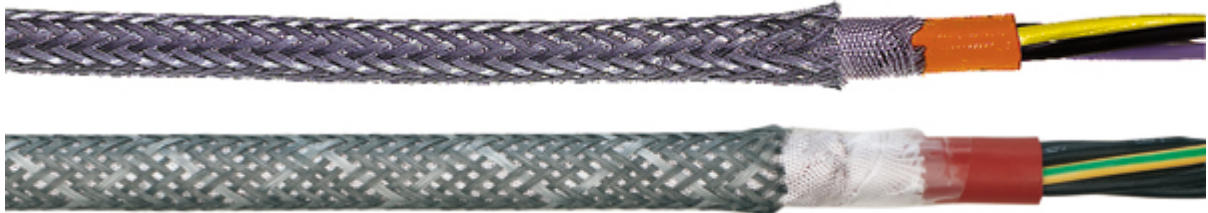


Steel armoured silicone cables for increased mechanical stress

Product Description

Close-meshed braid made of galvanised steel wires protects against mechanical damage; Longer durability in harsh applications than conventional silicone cables; Possess still insulating properties after combustion due to remaining SiO₂ ash on the conductor



Application range

- Areas with high ambient temperatures and additionally high mechanical stress
- Typical fields of application - Steel and glass works - Cement and ceramic works - Foundries - Ship building industry - Oven construction

Benefits

- Close-meshed braid made of galvanised steel wires protects against mechanical damage
- Longer durability in harsh applications than conventional silicone cables
- Possess still insulating properties after combustion due to remaining SiO₂ ash on the conductor

Design

- Fine strands of tinned copper wires
- Silicone based core insulation
- Cores twisted together
- Silicone based outer sheath, colour red-brown
- Glass fibre wrapping
- Galvanised steel wire braiding

Product features

- Halogen-free and flame retardant (IEC 60332-1-2)
- Reduced smoke density



- Only suitable for installation in dry conditions

Technical Data

Core identification code

Colour coded according to VDE 0293-308, see Appendix T9

Starting at 6 cores: Black with white numbers

Specific insulation resistance

>200 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius

Occasional flexing: 20 x cable diameter

Fixed installation: 4 x cable diameter

Rated voltage

U0/U 300/500 V

Test voltage

2000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

-50 °C up to +180 °C (adequate ventilation provided)

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 180 GLS				
0046201	2 X 0,75	7,6	14.4	84
0046202	3 G 0,75	8.0	21.6	96
00462033	4 G 0,75	8,8	28.8	118
00462043	5 G 0,75	9,7	36.0	145
0046205	6 G 0,75	10,4	43.2	167
0046206	7 G 0,75	10,4	50.4	171
0046207	2 X 1	7,8	19.2	92
0046208	3 G 1	8,2	28.8	106
00462093	4 G 1	9,1	38.4	132
00462103	5 G 1	10.0	48.0	161
0046212	7 G 1	10,7	67.0	205
0046213	2 X 1,5	8,8	29.0	119
0046214	3 G 1,5	9,2	43.0	140
00462153	4 G 1,5	10.0	57.6	168



00462163	5 G 1,5	10,8	72.0	212
0046218	7 G 1,5	11,8	101.0	255
0046237	12 G 1,5	15,4	173.0	433
0046219	2 X 2,5	10.0	48.0	162
0046220	3 G 2,5	10,9	72.0	217
00462213	4 G 2,5	12.0	96.0	260
00462223	5 G 2,5	13.0	120.0	310
0046224	7 G 2,5	14.0	168.0	362
0046226	3 G 4	12,9	115.0	300
00462273	4 G 4	14.0	154.0	365
00462283	5 G 4	15,4	192.0	446
00462313	4 G 6	16,1	230.0	500
00462343	4 G 10	20,8	384.0	807
00462353	4 G 16	22,8	614.0	1117

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 \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (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.