

ÖLFLEX® HV EV T6 FHLR2GCB2G

FOR ELECTRIC AND HYBRID VEHICLES

LAPPKABEL STUTTGART ÖLFLEX® HV EV T6 FHLR2GCB2G 1X25



ADVANTAGES AT A GLANCE

- Double insulated flexible screened single-core cables
- heat-resistant
- special silicone elastomeric compound insulated and sheathed
- flame retardant
- halogen free
- low smoke

THE ÖLFLEX® HV EV T6 FHLR2GCB2G 1000 V A.C. / 1500 V D.C. THIN-WALL HV AUTOMOTIVE SCREENED CABLES

T6-200°C from LAPP are flame retardant and halogen-free cables with low emission of smoke and corrosive gases in case of fire. Connecting cables for high-voltage machines, transformers, generators and motors, etc. Suitable for construction of HV wiring systems for hybrid and electric vehicles. Compatible with class F varnishes, ozone, UV, mineral oil. Excellent tear resistance, good resistance to most oils, chemicals and weather conditions.

STANDARDS

- ISO6722
- ISO19642 where applicable
- IEC 60754
- IEC 61034
- IEC 60332-1-2

CHARACTERISTICS

- Operating temperature
-65°C ÷ 200°C (3000 h)
- Overload temperature
225°C (48 h)
- Rated voltage 1000 V A.C. / 1500 V D.C.
- Max. temperature (short circuit)
350°C on the conductor (max duration 5 seconds)
- Min. bending radius
Fixed installation:
4 x outer diameter
- Min. installation temperature
-40° C
- Max. laying stress during installation 50 N/mm²

CONFIGURATIONS

Nominal size mm ²	Max diameter of copper wires mm	Insulation thickness* mm	Insulation diameter mm	Sheath Thickness* mm	Outer diameter mm	Max. conductor resistance at 20°C ohms/km	Cable weight kg/km
1x4	0.31	0.4	3.6	0.6	5.4 ±0.4	4.81	85
1x6	0.31	0.4	4.2	0.6	6.3 ±0.4	3.14	105
1x10	0.21	0.6	5.7	1.0	8.6 ±0.4	1.82	190
1x10	0.21	0.6	5.7	0.65	7.8 ±0.4	1.82	180
1x16	0.21	0.65	6.9	1.1	10.0 ±0.4	1.16	270
1x16	0.21	0.65	6.9	0.8	9.4 ±0.4	1.16	260
1x25	0.21	0.65	8.4	1.2	12.0 ±0.6	0.743	400
1x25	0.21	0.65	8.4	0.9	11.0 ±0.6	0.743	390
1x35	0.21	0.8	10.0	1.4	14.2 ±0.6	0.527	550
1x35	0.21	0.8	10.0	1.0	12.9 ±0.6	0.527	530
1x50	0.21	0.9	11.8	1.4	15.6 ±0.6	0.368	720
1x50	0.21	0.9	11.8	1.1	14.9 ±0.6	0.368	690
1x70	0.21	1.0	13.8	1.6**	17.9 ±0.8	0.259	940
1x70	0.21	1.0	13.8	1.1	17.0 ±0.8	0.259	920
1x95	0.21	1.1	16.0	1.7**	20.6 ±0.8	0.196	1250
1x95	0.21	1.1	16.0	1.1	19.6 ±0.8	0.196	1210
1x120	0.21	1.1	18.0	1.1	22.5 ±0.8	0.153	1550

* Nominal Value, acc.to ISO 19642

** Thick-wall value, acc.to ISO tab A.4

Data and sketches are not binding and can be varied as a consequence of modifications deemed necessary by the manufacturer.

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