

HELUPOWER® BEV-C

EMC-preferred type, double insulated



HELUKABEL® HELUPOWER® BEV-C CE

TECHNICAL DATA

Double insulated screened single core cable in alignment with ISO 6722 / ISO 19642

Temperature range	flexible -50°C to +150°C (3000h)
Overload temperature	+180°C (48h)
Nominal voltage	AC 1000 V / DC 1500 V
Minimum installation temperature	-25°C
Minimum bending radius	flexible 4x Outer-Ø
Maximum laying stress during installation	50 N/mm ²

CABLE STRUCTURE

- Copper wire bare, finely stranded class B / C
- Core insulation: Special elastomeric compound LS0H
- Screen: Tin plated copper braided screen & Al/PET tape
- Outer sheath: Special elastomeric compound LS0H
- Sheath colour: orange approx. RAL 2003
- Length marking: in metres

PROPERTIES

- resistant to UV radiation and weathering conditions

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- resistant to mineral oil
- resistant to class F laquers
- excellent tearing resistance
- flame retardant
- halogen free
- low emission of smoke and corrosive gases in case of fire

TESTS

- flame-retardant acc. to ISO 19642-2, IEC 60332-1-2
- halogen-free acc. to EN 60754-1 / IEC 60754-1
- UV-resistant acc. to ISO 19642-2
- weather-resistant acc. to ISO 19642-2
- smoke density acc. to EN 61034-1+2 / IEC 61034-1+2

APPLICATION

Used for HV wiring in hybrid and electric vehicles and as a connection cable for high voltage machines, transformers, generators, motors, etc.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Insulation Ø mm, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18117000	1 x 4	12	3.6	5.4 ± 0.4	62	85
18117001	1 x 6	10	4.2	6.3 ± 0.4	86	105
18117002	1 x 10	8	5.7	7.8 ± 0.4	129	190
18117003	1 x 16	6	6.9	9.4 ± 0.4	193	270
18117004	1 x 25	4	8.4	11.0 ± 0.6	307	400
18117005	1 x 35	2	10.0	12.9 ± 0.6	413	550
18117006	1 x 50	1	11.8	14.9 ± 0.6	571	720
18117007	1 x 70	2/0	13.8	17.0 ± 0.8	776	940
18117008	1 x 95	3/0	16.0	19.6 ± 0.8	1031	1250
18117009	1 x 120	4/0	18.0	22.5 ± 0.8	1283	1550