







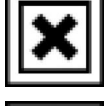



U.I. Lapp GmbH	PRODUCT INFORMATION	
ÖLFLEX® CHARGE		07.11.2014

VDE EVC cable to charge electrically powered vehicles and for spiralization
 Normative compliance of the charging process with IEC 61851-1
 VDE EVC certified according to VDE-AR-E 2283-5/ EVC cable type as third-party approved component involved in charging
 Low toxicity of flue in the event of fire
 Permanent connection as flexible charging cable to charging station or for permanent on-board carriage inside vehicles
 Suitable for spiralization, except for 5G6mm²+1X0.5mm²



-  Suitable for outdoor use
-  Good chemical resistance
-  e-Mobility
-  Halogen-free
-  Cold-resistant
-  Mechanical resistance
-  Oil-resistant
-  Acid-resistant
-  UV-resistant

Info
 VDE EVC type certified
 Halogen-free and flame-retardant
 Spiralizable

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ÖLFLEX® CHARGE		07.11.2014

Product Make-up

Finely stranded, bare copper conductors of IEC conductor class 5 acc. IEC 60228
Core insulations of power cores made of special, halogen-free, cross-linked elastomer EVI-2 acc. VDE-AR-E 2283-5
Core insulation control/ pilot core(s): Halogen-free, thermoplastic, special compound EVI-1 acc. VDE-AR-E 2283-5
Halogen-free, outer sheath made of PUR in compliance with the normative compound EVM-1 acc. VDE-AR-E 2283-5
Colour of the outer sheath: Orange similar to RAL 2003, further sheath colours on request

Norm references / Approvals

<VDE> EVC cable type registration issued by the VDE according to the VDE application rule VDE-AR-E 2283-5

Product features

Flame-retardant acc. IEC 60332-1-2 as well as Halogen-free acc. VDE-AR-E 2283-5/ appendices B+C, EN 50267-2-1, EN 50267-2-2, EN 50525-1/ appendix C, EN 60684-2
UV-resistant acc. EN ISO 4892-2, 2.4.20, as well as ozone-resistant acc. EN 50396, 8.1.3, for outdoor use
Cold-flexible as well as water-resistant according to AD6 of HD 516 and VDE-AR-E 2283-5, appendix I
Resistance to acids and solutions according to EN 60811
High resistance to usual vehicle chemicals according to VDE-AR-E 2283-5, appendix G

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Power cores: colour-coded according to HD 308/VDE 0293-308 Control/ Pilot core: Red
Conductor stranding:	Fine-wired/ Finely stranded according to IEC 60228, conductor class 5 Bare copper
Minimum bending radius:	10 x outer diameter
Nominal voltage:	$U_0/U = 450/750$ V AC
Test voltage:	At the core: 2.5 kV AC At the finished cable: 3 kV AC
Protective conductor:	Always with protective conductor (PE), hence uppercase "G" as part of the dimension abbreviation
Temperature range:	-25 °C to +80 °C Maximum permissible conductor temperature: +90 °C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
74880550	3G2,5+1X0,5	10.1	76.8	155
74880558	3G6+1X0,5	13.2	178.0	330
74880574	5G2,5+1X0,5	12.8	125.0	260
74880582	5G6+1X0,5	16.0	293.0	460