

ÖLFLEX® CHARGE

VDE EVC cable to charge electrically powered vehicles and for spiralization

ÖLFLEX® CHARGE: EVC/ VDE-AR-E 2283-5, Power and control/ electromobile/ charge column load charging cable, halogen-free, flame retardant, outdoor, spiralizable

Info

VDE EVC type certified

Halogen-free and flame-retardant

Spiralizable

LAPP KABEL STUTTGART ÖLFLEX® CHARGE EVC 306+0,5 450/750 VAC VDE-Reg. 8727 R4H5 CC



e-Mobility



Suitable for outdoor use



Good chemical resistance



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Acid-resistant

Last Update (29.12.2023)

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® CHARGE



UV-resistant

Benefits

Charging process IEC 61851-1
Low toxicity of flue in the event of fire
Suitable for spiralization, except for 5G6mm²+1X0.5mm²

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

Norm references / Approvals

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

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

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC002884 ETIM 5.0 Class-Description: Accessories E-Mobility
Classification ETIM 6:	ETIM 6.0 Class-ID: EC002884 ETIM 6.0 Class-Description: Accessories E-Mobility
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

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article 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	330
74880574	5G2,5+1X0,5	12.8	125	260
74880582	5G6+1X0,5	16	293	460

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