

ÖLFLEX® CHARGE

VDE EVC charging cable that can be spiralled to charge electrically powered vehicles

ÖLFLEX® CHARGE OG, EVC/VDE-AR-E 2283-5, power and control charging cable for electromobile vehicles/charge stations, halogen-free, flame-retardant, weather-resistant, can be spiralled

Info

VDE EVC type certification

Halogen-free and flame-retardant

Suitable for spiralling

LAPP KABEL STUTTGART ÖLFLEX® CHARGE EVC 3G6+0,5 450/750 VAC VDE-Reg. 8727 RoHS CC



UV-resistant



Acid-resistant



Oil-resistant



Mechanical resistance



Halogen-free



Good chemical resistance



e-Mobility



Suitable for outdoor use

Last Update (22.05.2017)

©2017 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® CHARGE



Cold-resistant

Benefits

Standard 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 in the charging process

Low toxicity of smoke in the event of fire

Permanent connection as flexible charging cable to charging station or for permanent on-board carriage inside vehicles

Suitable for spiralling, except for 5G6+1X0.5

Product features

Flame-retardant according to IEC 60332-1-2 as well as halogen-free according to 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 according to EN ISO 4892-2, 2.4.20, as well as ozone-resistant according to EN 50396, 8.1.3, for outdoor use

Flexible at low temperatures as well as water-resistant according to AD6 of HD 516 / VDE 0298-300 and VDE-AR-E 2283-5, appendix I

Resistance to acids and alkali according to EN 60811/ VDE 0473-811

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

Design

Fine-wire, bare copper conductor of IEC braided conductor class 5 according to IEC 60228 / VDE 0295

Core insulations of power cores made of special, halogen-free, cross-linked elastomer EVI-2 according to VDE-AR-E 2283-5

Core insulation control/pilot core(s): Halogen-free, special thermoplastic EVI-1 according to VDE-AR-E 2283-5

Halogen-free, PUR outer sheath in compliance with the compound EVM-1 according to VDE-AR-E 2283-5

Outer sheath colour: Orange similar to RAL 2003, further sheath colours on request

Technical Data

Classification:	ETIM 5.0 Class-ID: EC002884 ETIM 5.0 Class-Description: Anti-theft nut
Core identification code:	Power cores: Coloured according to HD 308/ VDE 0293-308 Control/pilot core: Red
Conductor design:	Fine-wired according to IEC 60228 / VDE 0295, braided 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 complete cable: 3 kV AC
Protective conductor:	Always with protective conductor (PE), hence "G" as part of the dimension information
Temperature range:	-25 °C to +80 °C Maximum permissible conductor temperature: +90 °C

ÖLFLEX® CHARGE

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Photographs 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.



ÖLFLEX® CHARGE

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

Last Update (22.05.2017)

©2017 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

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

PN 0456 / 02_03_16