



AMOCHARGE



90°C max



LSHF

AmoCharge is a halogen-free hybrid cable designed for installations requiring both power supply and control or communication functions in a single solution. It is specifically developed to meet the communication requirements of EV charging stations, making it an ideal choice for the rapidly expanding e-mobility sector.

Its robust and flexible design allows installation in a wide range of environments, both indoors and outdoors. The cable can be mounted directly on walls, in cable trays, in installation ducts, or laid directly in the ground. The halogen-free construction enhances safety by ensuring low smoke emission and the absence of corrosive gases in the event of fire.

By combining power and communication in one cable, AmoCharge provides a cost-efficient and installation-friendly solution. It is a reliable and future-proof option for modern EV charging infrastructure.

APPLICATION

Halogen-free hybrid cable for EV charging stations, combining power supply and control/communication. Suitable for fixed installation indoors, outdoors, and direct burial or in pipes.

STANDARDS

Conductor

IEC 60228 Class 2

Flame retardant

EN 50575:2014+A1:2016

Halogen free

IEC 60754-1

IEC 60754-2

Smoke density

IEC 61034-1

IEC 61034-2

STANDARDS

Construction

IEC 60502-1 (IAP)

HD 603 (IAP)

APPROVAL



Dca



CONSTRUCTION

Conductor

Class 2 Bare copper

Insulation

XLPE

Outer sheath

HFFR

Bending radius - Final mount fixed

6 xOD

PROPERTIES

Conductor temperature

90 °C

CPR class

Dca

Max temperature

90 °C

Min. temperature

-25 °C

UV resistance

GOOD

AC Voltage rating U_0/U

0,6/1kV



Name	Outer diameter [mm]	Total weight [kg/km]	Installation current upon or on surface, ambient temperature 30°C [A]
AmoCharge 3G2,5+1x4x0,75	15.1	300	30
AmoCharge 3G2,5+Cat7	15.7	270	30
AmoCharge 5G2,5+2X2X0,75	16.9	385	30
AmoCharge 5G2,5+2X2X0,75+Cat7	18.4	410	30
AmoCharge 5G2,5+Cat7	18	370	30
AmoCharge 3G6+1x4x0,75	18.3	450	52
AmoCharge 3G6+Cat7	18.3	470	52
AmoCharge 5G6+2x2x0,75	19.4	570	52
AmoCharge 5G6+2x2x0,75+Cat7	21.7	640	52
AmoCharge 5G10+1x4x0,75	22.1	790	71
AmoCharge 5G10+1x4x0,75+Cat7	22.1	805	71
AmoCharge 5G16+1x4x0,75	25	1100	96
AmoCharge 5G16+1x4x0,75+Cat7	25	1100	96

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