AMOCHARGE FLEX

LSHF | 90°C max | Class 5 | Flexible

AmoCharge Flex is a flexible hybrid cable developed to simplify installation of charging infrastructure, especially in confined or hard-to-access spaces. The cable features a class 5 stranded copper conductor, making it easy to handle, route and connect during installation.
Its construction is designed for applications where power, control and communication need to be combined in a single cable. AmoCharge Flex supports several communication solutions used in EV charging stations, including connections to network devices.
With its robust design, the cable is suitable for fixed installation indoors, outdoors, in ducts and for direct burial in the ground. AmoCharge Flex is therefore a versatile, efficient and future-ready cable solution for modern electric vehicle charging and reliable charging infrastructure.

APPLICATION

Flexible halogen-free hybrid cable for EV charging stations, combining power, control, and communication. Designed for easy installation in confined spaces and suitable for indoor, outdoor, conduit, and direct burial applications.

STANDARDS

Conductor
IEC 60228 Class 5

Construction
IEC 60502-1 (IAP)
HD 603 (IAP)

Flame retardant
EN 50575:2014+A1:2016

Halogen free
IEC 60754-1
IEC 60754-2

STANDARDS

Smoke density
IEC 61034-1
IEC 61034-2

APPROVAL

CPR Dca | CE

CONSTRUCTION

Bending radius - Final mount fixed
6 xOD

Color
Black or customer choice

Conductor
Class 5 Bare copper

Insulation
XLPE

Labeling example
AMOCharge Flex 5G[size]+2x2x0,75/1x4x0,5/+Ethernet YY/WW CE [m]

Outer sheath
HFFR

PROPERTIES

Conductor temperature
90 °C

Max temperature
90 °C

Min. temperature
-25 °C

Amo Specialkabel
Kabelvägen 5 • Alstermo • SE-36443 • Sweden

+46 481 50880
special@amokabel.com

PROPERTIES

AC Voltage rating U_0/U
0,6/1kV

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Name	Outer diameter [mm]	Total weight [kg/km]	Installation current upon or on surface, ambient temperature 30°C [A]
5G6+2x2x0,75	19.4	590	52
5G6+2x2x0,75+Ethernet	21.3	610	52
5G10+1x4x0,75	22.6	850	71
5G10+1x4x0,75+Ethernet	23.5	870	71
5G16+1x4x0,75	25	1150	96
5G16+1x4x0,75+Ethernet	25	1170	96

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