eWall EVC Power Bus® 0,6/1kV

100% Green Energy Cable Production

Flat flexible cable for Electric Vehicle Charging infrastructure.

BASED TO: IEC 60502-1

Eca

APPLICATION

Flat flexible cable for EVC infrastructure in parkings. For residential or corporate electric vehicle charging installations. The flat cable system allows you a hassle-free installation & easy expansion, all along the installed length of the cable. The electrician simply connects the new charging stations to the existing infrastructure.

- EVC (Electric Vehicle Charging).

CONSTRUCTION

Conductor
Electrolytic annealed copper, class 5 (flexible) according to EN 60228 and IEC 60228.

Insulation
PVC insulation type PVC/A according to IEC 60502-1.

Assembly of cores
The cores are parallel in only one layer, forming a flat cable.
Colours and position are the following:
brown + blue + green/yellow + black + grey.

Outer sheath
PVC outer sheath type ST2 according to IEC 60502-1, grey colour.

COMPATIBILITY

Cable compatible with all major flat connection modules.

CHARACTERISTICS

Electrical performance
Nominal voltage: 0,6/1 kV.

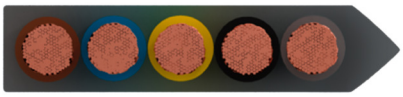
Thermal performance
Maximum conductor temperature: 70 °C.
Minimum service temperature: -40°C (fixed and protected installations).
Maximum short-circuit temperature: 160 °C (maximum 5 s.).

Fire performance
Flame non-propagation according to IEC 60332-1 / EN 60332-1.
Reaction to fire CPR: E_{ca} according to EN 50575.

Mechanical performance
Minimum bending radius: 5 x smaller dimension.
Impact resistance: AG2 Medium severity.

Environmental performance
Chemical & Oil resistance: Acceptable.
Water resistance: AD5 Jets.

Installation conditions
Open Air.
On cable trays.
Wall mounted.



STANDARDS / COMPLIANCE

Based to
IEC 60502-1

Standards and approvals
RoHS / CE

CPR (Construction Products Regulation)
E_{ca}

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